

Cayla H.P. Crivello



**Work Experience:**

**Cultural Liaison**

**Hokulia Park and Cultural Sites Association**

81-6636 Puu Ohau Pl

Kealahou, HI

**7/2018 - Present**

**Salary:** \$28.00 USD Per Hour

**Hours per week:** 40

**Duties, Accomplishments and Related Skills:**

Professional knowledge of standard geography, digital cartography, biology, and physical sciences, as appropriate, to successfully integrate and apply the full range of GIS applications to meet program objectives.

- Experience utilizing Geospatial technologies and software, conducting field research with a Trimble GEO7X, GEOXH, EOS, Avenza, collector and converting spatial data to shapefiles.

Knowledge of GIS related hardware and basic computer requirements and techniques.

- Expert in applications of GIS hardware as it pertains to the biological and cultural approaches to conservation in Hawaii.
- Experienced in ArcGIS, ArcGIS online, Collector, and ArcGIS Storymapping.
- Knowledge of basic computer requirements for GIS related hardware and appropriate techniques for conveying important geospatial concepts with regard to the conservation and preservation of natural and cultural resources.

Knowledge of computer operating systems (e.g., DOS, UNIX), software application packages for GIS (e.g., ARC Info, GRASS), and database management (e.g., dBase, Access), and the skill to apply these technologies to effectively accomplish the GIS program.

- Utilizes mapping and surveying tools to identify preservation areas in metes and bounds.
- Knowledge of and experience with GIS tools and applications.

Understanding of standard scientific theory, methods, resources management practices, and management needs, and the skill to interpret and apply this knowledge to the development of products.

- Basic knowledge of preservation and land-use plans and the ability to apply resource management practices as identified in the associated burial treatment or preservation plans.
- Development and implementation of land management and preservation plans for the Shoreline Park, Agricultural Preserves, Cultural Preserves, and Non-Burial and Burial Preservation sites

Basic knowledge of program management and administration of budget, contracts, and personnel.

- Development and implementation of programs and budgets associated with the project scope as assigned by the PCSA Board of Directors.
- Identification of and budget narration of necessary tools, staffing, irrigation, and native plants for outplanting in preservation areas in alignment with the associated preservation plans, burial

treatment plans or otherwise for the purpose and intent of landscaping and beautification of culturally significant areas.

Professional knowledge of the principles and applications of remote sensing technologies including coordinate systems, aerial photography, videography, geo-referencing methods, and satellite image processing to define and use the full range of technology in creating databases.

- Utilization of mapping to manage and analyze information related to the scope of work for a given project and ensure accurate and appropriate implementation of work goals and objectives.
- Appropriate use of mapping to identify the location of significant features and preservation areas as it pertains to the HICRIS state project submittal system.

Skill to analyze complex arrays or GIS themes and relational data sets and use modeling technology to create new understandings of resources and geographic relationships (applied research).

- Interpretation of the development through the use of multiple maps representing varying stakeholder interests (i.e. development phases map, archaeological inventory map, ecological map, club facilities map, etc.)
- Trail mapping projects and consultation with non-government non-profit organization(s) for the purpose and intent of developing maps for community and education outreach.

Skill to communicate effectively with people having a wide range of understanding of GIS technology and applications to develop the GIS program, participate in land use planning and other cooperative efforts, and convey complex concepts to others.

- Expert in communications that integrate biological, cultural, archaeological, geographical, and otherwise significant concepts through mapping and the utilization of mapping tools and resources in order to develop a broad-view of a project.
- Experience working with a diverse range of stakeholders and utilizing maps to effectively communicate and appeal to the diverse interests that each stakeholder may present.

Receives assignments from supervisor and assists in defining objectives, priorities, and deadlines for the site maintenance staff, assisting the team with unusual situations which do not have clear precedents. Resolves some problems; however, when the problem is clearly a precedent setting situation, seeks assistance from the supervisor or higher graded employee working in the profession.

- Receives directives from a supervisor in tandem with the PCSA Board of Directors (BOD) Primary leader and chief advocate for cultural preservation within the Hokulia Community and with all stakeholders.
- Implements directives from the BOD and aid in defining alternative approaches where existing guidelines are inadequate to achieve the desired outcomes.
- Represents the PCSA on all cultural preservation matters for which it is responsible and is accountable for the overall planning, implementation, monitoring, and evaluation of PCSA cultural resource programs, education initiatives, and projects.
- Assesses and responds to unusual situations and resolves unanticipated conflict with a diverse range of stakeholders including local and non-local residents, cultural practitioners, employees, lineal and cultural descendants, varying landowners, and developers.

Keeps the supervisor informed of progress, potentially controversial problems, and concerns, issues, or other matters that will be precedent setting. Completed work is evaluated for technical soundness, appropriateness, and conformity to policy and requirements.

- Report all findings directly to the association manager and work with PCSA Maintenance Supervisor to resolve any issues associated with site maintenance.
- Maintain detailed records of inspections and findings and share records with association manager.

Competency in understanding laws, regulations, policies, scientific and technical manuals, scientific protocols, plans, procedures, and any additional directions given and defined by the supervisor and uses judgement in interpreting and adapting guidelines for specific cases or problems, then analyzes results to recommend changes.

- Preserve, operate, and maintain the burial/non-burial cultural sites within the Hokulia development and shoreline park in a manner consistent with all approved preservation and maintenance plans as well as all applicable regulations, covenants, policies, contracts, and agreements.
- Represents the PCSA in implementation processes associated with consultation and meeting the required needs of consultation as it pertains to the development and implementation of archaeological non-burial and burial site preservation area short- and long-term maintenance.
- Responsible for leading, developing, implementing, evaluating, advocating, facilitating and/or otherwise supporting cultural and lineal descendant access to burial and preservation sites within the Hokulia project area in accordance with the Descendant Access portion of the Development Cultural, and Community Plan.
- Conducts site inspections to ensure compliance with State laws governing preservation are met.
- Provide detailed reports of site compliance and other related site-work and share reports with the State Historic Preservation Department.
- Ensure that cultural resources are maintained in accordance with the provisions established in the approved preservation, mitigation, burial treatment plans, and according to the standards established by the Board of Directors.
- Provide historic preservation review of PCSA, Hokulia Club, 1250 Oceanside (Developer), and HCA projects.
- Review of upcoming pre-draft burial treatment plans, burial site component of preservation plan(s), preservation plans, archaeological data recovery reports, archaeological data salvage reports, archaeological inventory surveys, and other associated documentation regarding non-burial and burial preservation sites associated with the Hokulia development project.
- Experience monitoring site condition(s) throughout the scope of work for projects associated with burial and non-burial preservation site area(s) (i.e. cultural/archaeological monitoring)
- Professional knowledge of natural and cultural resource management with consideration for place-based values and perspectives that support biological-cultural approaches to the preservation of cultural landscapes and the conservation of native ecosystems.
- Experience identifying significant cultural and natural resource areas, determining, and explaining relationships between individual features within a cultural landscape, and providing background information on biological and cultural areas for collaborative landscape management with landowners, club members, native Hawaiian and non-native Hawaiian community members, lineal and cultural descendants, and cultural practitioner.
- Conducts site inspections to ensure compliance with State laws governing preservation are met.
- Experience using the State Historic Preservation Department HICRIS online project submittal system.

Exercises sound judgement in the performance of duties where gaps in specificity or conflicts among guidelines occur. Uses judgement in determining which appropriate alternatives should be used, and in interpreting and adapting guidelines for application to specific situations or problems. Able to determine when work is precedent setting, affects policy, and requires supervisory review, or needs review at a higher level of expertise within the relevant discipline.

- Preserve, operate, and maintain the burial/non-burial cultural sites within the Hokulia development and shoreline park in a manner consistent with all approved preservation and maintenance plans as well as all applicable regulations, covenants, policies, contracts, and agreements.

- Represents the PCSA in implementation processes associated with consultation and meeting the required needs of consultation as it pertains to the development and implementation of archaeological non-burial and burial site preservation area short- and long-term maintenance.
- Ensure that cultural resources are maintained in accordance with the provisions established in the approved preservation, mitigation, burial treatment plans, and according to the standards established by the Board of Directors.
- Experience monitoring site condition(s) throughout the scope of work for projects associated with burial and non-burial preservation site area(s) (i.e. cultural/archaeological monitoring)
- Professional knowledge of natural and cultural resource management with consideration for place-based values and perspectives that support biological-cultural approaches to the preservation of cultural landscapes and the conservation of native ecosystems.
- Experience identifying significant cultural and natural resource areas, determining, and explaining relationships between individual features within a cultural landscape, and providing background information on biological and cultural areas for collaborative landscape management with landowners, club members, native Hawaiian and non-native Hawaiian community members, lineal and cultural descendants, and cultural practitioner.
- Experience identifying significant cultural and natural resource areas, determining, and explaining relationships between individual features within a cultural landscape, and providing background information on biological and cultural areas for collaborative landscape management with landowners, club members, native Hawaiian and non-native Hawaiian community members, lineal and cultural descendants, and cultural practitioner.

Experience working on assignments which consist of varied projects that provide diversified experience as a foundation for future project responsibility of greater scope, difficulty or magnitude. Assignments are typically screened to eliminate difficult or unusual problems. Assignments require familiarity with and use of standard principles, methods, and practices to solve relatively limited professional problems.

- Review of upcoming pre-draft burial treatment plans, burial site component of preservation plan(s), preservation plans, archaeological data recovery reports, archaeological data salvage reports, archaeological inventory surveys, and other associated documentation regarding non-burial and burial preservation sites associated with the Hokulia development project.
- Experience monitoring site condition(s) throughout the scope of work for projects associated with burial and non-burial preservation site area(s) (i.e. cultural/archaeological monitoring)
- Professional knowledge of natural and cultural resource management with consideration for place-based values and perspectives that support biological-cultural approaches to the preservation of cultural landscapes and the conservation of native ecosystems.
- Experience supporting non-violent communications throughout consultation processes with landowners, club members, native Hawaiian and non-native Hawaiian community members, lineal and cultural descendants, and cultural practitioner.
- Expert in conflict-resolution and the development of clear and concise preventative measures to mitigate situations and relationships where conflict may arise.
- Expert in assessing conditions where stakeholder interests vary and developing objectives which unify diversified interests toward a common goal.

Experience in the preservation and effective management of the natural and cultural resources for which the development, Shoreline Park, Agricultural Preserves, Cultural Preserves, and non-burial and burial preservation sites were established. The successful accomplishment of the duties of this position results in strategies and products to protect resources and resolve problems in a way that meets management objectives. The work involves treating a variety of conventional problems, questions or situations in

conformance with established criteria. The product or service affects the design or operation of programs, and the adequacy of activities such as field projects or research conclusions.

- Responsible for leading, developing, implementing, evaluating, advocating, facilitating and/or otherwise supporting cultural and lineal descendant access to burial and preservation sites within the Hokulia project area in accordance with the Descendant Access portion of the Development Cultural, and Community Plan.
- Experience identifying significant cultural and natural resource areas, determining, and explaining relationships between individual features within a cultural landscape, and providing background information on biological and cultural areas for collaborative landscape management with landowners, club members, native Hawaiian and non-native Hawaiian community members, lineal and cultural descendants, and cultural practitioner.
- Ensure that natural and cultural resources are maintained in accordance with the provisions established in the approved preservation, mitigation, burial treatment plans, and according to the standards established by the Board of Directors.
- Knowledge of tropical dry forest restoration and associate tropical dry forest plant species.

The work affects the quality and effectiveness of resources management and other programs designed to protect resources and people. Programs carried out by the incumbent directly affect the preservation or enhancement of the ecological integrity and cultural preservation of the ecosystems and surrounding landscapes.

- Preserve, operate, and maintain the burial/non-burial cultural sites within the Hokulia development and shoreline park in a manner consistent with all approved preservation and maintenance plans as well as all applicable regulations, covenants, policies, contracts, and agreements.
- Experience monitoring site condition(s) throughout the scope of work for projects associated with burial and non-burial preservation site area(s) (i.e. cultural/archaeological monitoring)
- Professional knowledge of natural and cultural resource management with consideration for place-based values and perspectives that support biological-cultural approaches to the preservation of cultural landscapes and the conservation of native ecosystems.
- Develops and implements native plant landscaping in preservation areas including burial and non-burial sites located within the Shoreline Park, agricultural and cultural preserves, the club property areas (e.g., golf course and restaurant), and house lots.
- Support educational outreach and other activities which increase awareness, knowledge, and appreciation of the pre/post western contact Hawaiian cultural and natural resources at Hokulia with Hokulia members and the community at large, in accordance with Board approved Cultural Education Programs.

Contacts are made with GIS experts, resources managers, researchers, land use planners of other agencies and tribes, other park staff, science and management staffs of other parks, conservation and preservation organizations, the media, and the general public. Contacts typically are not established on a routine basis, and the role and authority are identified and developed during the course of the contact.

- Provide detailed reports of site compliance and other related site-work and share reports with the State Historic Preservation Department.
- Collaboration with internal and external stakeholders of Hokulia to meet the objectives of any given project which involve experts in resource management, researchers, GIS experts, land use planners of other agencies and entities, science and management staffs of local, federal, and state entities, conservation and preservation organizations, the media, the general public, and other non-staff groups.

Development and collection of necessary contacts and relationships which provide professional advice to managers and other staff; to exchange information; to provide instruction and services; to coordinate and

advise on mutual work efforts and research; to insure compliance with regulations, protocols, and procedures; to train; to procure supplies and materials; and to secure cooperation for park programs from other agencies, individuals or interest groups.

- Represents the PCSA in implementation processes associated with consultation and meeting the required needs of consultation as it pertains to the development and implementation of archaeological non-burial and burial site preservation area short- and long-term maintenance.
- Responsible for leading, developing, implementing, evaluating, advocating, facilitating and/or otherwise supporting cultural and lineal descendant access to burial and preservation sites within the Hokulia project area in accordance with the Descendant Access portion of the Development Cultural, and Community Plan.
- Responsible for leading, developing, coordinating, and implementing educational programs recognized by the advisory board of the PCSA and approved by the PCSA Board.

Ability to concentrate and use computers for long periods of time.

- Provide historic preservation review of PCSA, Hokulia Club, and HCA projects.
- Review of upcoming pre-draft burial treatment plans, burial site component of preservation plan(s), preservation plans, archaeological data recovery reports, archaeological data salvage reports, archaeological inventory surveys, and other associated documentation regarding non-burial and burial preservation sites associated with the Hokulia development project.

Ability to sustain long periods of standing, walking over rough, muddy, uneven, swampy, or mountainous terrain; recurring periods of bending, crouching, stooping, stretching, reaching or similar activities; and recurring lifting of moderately heavy items weighing up to 50 pounds. Capacity to participate in outdoor work that may occur in hot, cold, humid, or dry weather conditions and during periods of rain, fog, or other adverse weather conditions.

- Carries items up to 50 lbs. and performs maintenance related tasks, can safely operate both mechanical equipment and hand tools, work in outdoor environments with rugged, uneven terrain, visually observe the condition of surroundings, and stand and walk in environments with fluctuating temperatures and conditions.

**Supervisor:** Morgan Butler [REDACTED]

**Okay to contact this Supervisor:** Yes

#### **Coordinator**

#### **Ala Kahakai Trail Association**

P.O. Box 2338

Kamuela, HI

**10/2017 - 3/2022**

**Salary:** \$25.00 USD Per Hour

**Hours per week:** 20

#### **Duties, Accomplishments and Related Skills:**

Ability to concentrate and use computers for long periods of time.

- Managed social media and website updates and maintenance
- Conducted grant research, applications, and writing
- Recording minutes during all meetings and producing a final record of meetings.

Development and collection of necessary contacts and relationships which provide professional advice to managers and other staff; to exchange information; to provide instruction and services; to coordinate and advise on mutual work efforts and research; to insure compliance with regulations, protocols, and

procedures; to train; to procure supplies and materials; and to secure cooperation for park programs from other agencies, individuals or interest groups.

- Represents ATA in implementation processes associated with consultation and meeting the required needs of consultation as it pertains to the development and implementation of educational and community outreach programs.

Experience working on assignments which consist of varied projects that provide diversified experience as a foundation for future project responsibility of greater scope, difficulty, or magnitude. Assignments are typically screened to eliminate difficult or unusual problems. Assignments require familiarity with and use of standard principles, methods, and practices to solve relatively limited professional problems.

- Developed and implemented community outreach presentation programs.
- Coordinated and facilitated quarterly board meetings.
- Responsible for leading, developing, implementing, evaluating, advocating, facilitating and/or otherwise supporting education outreach, community projects, educational booths, and presentations.

Contacts are made with GIS experts, resources managers, researchers, land use planners of other agencies and tribes, other park staff, science and management staffs of other parks, conservation and preservation organizations, the media, and the general public. Contacts typically are not established on a routine basis, and the role and authority are identified and developed during the course of the contact.

- Facilitated and supported community consultation for collaborative land management including community planning meetings and provided support to community in written and oral testimony submission for land acquisition projects.
- Attended site-visits for education and outreach to invested stakeholders, and site visitation with local, county, state, and/or federal entities for land management planning.
- Responsible for the development and implementation of community and education outreach initiatives with other stakeholders.

Basic knowledge of NPS planning and management requirements and guidelines so that work applies to programs that provide adequate long-term protection for resources.

- Collaborations with Local, State, and Federal entities including but not limited to Nā Ala Hele State Trails, Ala Kahakai National Historic Trail, Kaloko-Honokōhau National Park, Pu'uhōnua o Hōnaunau, and Pu'ukoholā Heiau.

Ability to sustain long periods of standing, walking over rough, muddy, uneven, swampy, or mountainous terrain; recurring periods of bending, crouching, stooping, stretching, reaching or similar activities; and recurring lifting of moderately heavy items weighing up to 50 pounds. Capacity to participate in outdoor work that may occur in hot, cold, humid, or dry weather conditions and during periods of rain, fog, or other adverse weather conditions.

- Conducted and coordinated trail restoration, site visits, community event preparation and education outreach.
- Worked in outdoor environments with rugged, uneven, and exposed terrain.

Knowledge of computer operating systems (e.g., DOS, UNIX), software application packages for GIS (e.g., ARC Info, GRASS), and database management (e.g., dBase, Access), and the skill to apply these technologies to effectively accomplish the GIS program.

- Used photogrammetry and geospatial referencing equipment and software to identify significant cultural and natural resource areas, determine relationships between individual features within a cultural landscape, and provide background information on biological and cultural areas for collaborative landscape management with landowners and other stakeholders.

Professional knowledge of standard geography, digital cartography, biology, and physical sciences, as appropriate, to successfully integrate and apply the full range of GIS applications to meet program objectives.

- Experience utilizing Geospatial technologies and software, conducting field research with a Trimble GEO7X, GEOXH, EOS, Avenza, Collector and converting spatial data to shapefiles.

**Supervisor:** Alan Brown (REDACTED)

**Okay to contact this Supervisor:** Yes

### **GIS Intern**

#### **Ala Kahakai National Historic Trail**

73-4786 Kanalani St. #14

Kailua Kona, HI

**1/2021 - 6/2021**

**Hours per week:** 12

#### **Duties, Accomplishments and Related Skills:**

Basic knowledge of NPS planning and management requirements and guidelines so that work applies to programs that provide adequate long-term protection for resources.

- Experienced in NPS processes and protocols associated with Ala Kahakai National Historic Trail.
- Ability to apply management requirements and guidelines of NPS to project scope of work and associated programs.

Understanding of standard scientific theory, methods, resources management practices, and park management needs, and the skill to interpret and apply this knowledge to the development of products.

- Applied the concept of mapping to the project scope and place-based learning component of specialized organizational needs.

Basic knowledge of program management and administration of budget, contracts, and personnel.

Professional knowledge of the principles and applications of remote sensing technologies including coordinate systems, aerial photography, videography, geo-referencing methods, and satellite image processing to define and use the full range of technology in creating databases.

- Utilization of mapping to manage and analyze information related to the scope of work for a given project and ensure accurate and appropriate implementation of work goals and objectives.
- Appropriate use of mapping to identify the location of significant areas or otherwise identified areas of important (i.e. parking, restroom facilities, campgrounds, ecologically sensitive and culturally sensitive features or areas).

Professional knowledge of standard geography, digital cartography, biology, and physical sciences, as appropriate, to successfully integrate and apply the full range of GIS applications to meet program objectives.

- Experience utilizing Geospatial technologies and software, conducting field research with a Trimble GEO7X, GEOXH, EOS, Avenza, Collector and converting spatial data to shapefiles.

Knowledge of GIS related hardware and basic computer requirements and techniques.

- Expert in applications of GIS hardware as it pertains to the biological and cultural approaches to conservation in Hawaii.
- Experienced in ArcGIS, ArcGIS online, Collector, and ArcGIS Storymapping.



- Knowledge of basic computer requirements for GIS related hardware and appropriate techniques for conveying important geospatial concepts with regard to the conservation and preservation of natural and cultural resources.

Knowledge of computer operating systems (e.g., DOS, UNIX), software application packages for GIS (e.g., ARC Info, GRASS), and database management (e.g., dBase, Access), and the skill to apply these technologies to effectively accomplish the GIS program.

- Field duties including but not limited to trail mapping projects and consultation with non-government non-profit organization(s) for the purpose and intent of developing maps for community and education outreach.
- Use of Word, Excel, ArcGIS Online, ArcGIS Pro, ArcGIS Storymaps.

Ability to sustain long periods of standing, walking over rough, muddy, uneven, swampy, or mountainous terrain; recurring periods of bending, crouching, stooping, stretching, reaching or similar activities; and recurring lifting of moderately heavy items weighing up to 50 pounds. Capacity to participate in outdoor work that may occur in hot, cold, humid, or dry weather conditions and during periods of rain, fog, or other adverse weather conditions.

- Outdoor work in hot, dry, and exposed conditions on uneven terrain including but not limited to searching for, identifying, mapping, and restoring trail sections in diverse landscapes with varying weather conditions and climates.

Ability to concentrate and use computers for long periods of time.

- Development of maps for varying uses within the community and with various stakeholders.

**Supervisor:** Aric Arakaki [REDACTED]

**Okay to contact this Supervisor:** Yes

### **Field Crew**

#### **Kaupulehu Dryland Forest Reserve**

P.O. Box 66

Ookala, HI

**10/2017 - 8/2018**

**Hours per week:** 40

#### **Duties, Accomplishments and Related Skills:**

Exercises sound judgement in the performance of duties where gaps in specificity or conflicts among guidelines occur. Uses judgement in determining which appropriate alternatives should be used, and in interpreting and adapting guidelines for application to specific situations or problems. Able to determine when work is precedent setting, affects policy, and requires supervisory review, or needs review at a higher level of expertise within the relevant discipline.

- Ability to visually observe the condition of surroundings and determine appropriate approaches to working within environments with fluctuating temperatures and conditions on rugged, uneven terrain.
- Expert understanding of natural resource preservation measures and regulations for tropical dry forest restoration which supports exercising sound judgement in the performance of duties where gaps in specificity or conflicts among guidelines may occur. Use of judgement in determining when alternative methods for performance of duties may be necessary and which appropriate alternatives should be used as it pertains to the seed collection, propagation, nursery management, out-planting, monitoring, data collection, reporting, and land management of the preservation areas.

Understanding of standard scientific theory, methods, resources management practices, and park

management needs, and the skill to interpret and apply this knowledge to the development of products.

- Experience using varying approaches to invasive flora and fauna species eradication including chemical spraying, hand-clearing, and fence installation.
- Invasive species control and extraction (plants, animals), seed collection, seed propagation, nursery maintenance, out-planting, irrigation, trail restoration, fence maintenance, event preparation, and education outreach assistance.
- Knowledge of tropical dry forest plant species uses, elevational ranges, growth rates, and monitoring processes.
- Experience in monitoring, data collection, seed collection, propagation, nursery maintenance, out-planting, and reporting for threatened and endangered plant species in tropical dry forest regions of Hawaii.

Ability to sustain long periods of standing, walking over rough, muddy, uneven, swampy, or mountainous terrain; recurring periods of bending, crouching, stooping, stretching, reaching or similar activities; and recurring lifting of moderately heavy items weighing up to 50 pounds. Capacity to participate in outdoor work that may occur in hot, cold, humid, or dry weather conditions and during periods of rain, fog, or other adverse weather conditions.

- Outdoor work in hot, dry, and exposed conditions on uneven terrain including but not limited to searching for, identifying, mapping, and restoring trail sections in diverse landscapes with varying weather conditions and climates.
- Performed maintenance and restoration work requiring the ability to hike for long distances while carrying up to 50 lbs. and safely operate both mechanical equipment and hand tools.

Professional knowledge of standard geography, digital cartography, biology, and physical sciences, as appropriate, to successfully integrate and apply the full range of GIS applications to meet program objectives

- Experience utilizing Geospatial technologies and software, conducting field research, and converting spatial data to shapefiles.

Knowledge of GIS related hardware and basic computer requirements and techniques.

- Expert in applications of GIS hardware as it pertains to the biological and cultural approaches to conservation in Hawaii.
- Experienced in ArcGIS, ArcGIS online, Collector, and ArcGIS Storymapping.
- Knowledge of basic computer requirements for GIS related hardware and appropriate techniques for conveying important geospatial concepts with regard to the conservation and preservation of natural and cultural resources.

**Supervisor:** Wilds Brawner [REDACTED]

**Okay to contact this Supervisor:** Yes

**GS-03 Intern**

**Ala Kahakai National Historic Trail**

73-4786 Kanalani St. #14

Kailua Kona, HI

**5/2017 - 9/2017**

**Salary:** \$12.50 USD Per Hour

**Hours per week:** 40

**Duties, Accomplishments and Related Skills:**

Ability to concentrate and use computers for long periods of time.

- Managed documents within archives and filing systems.
- Scanned and procured documents to be added to the database in online archive system including legal documentation, maps, drawings, interviews, conservation management plans, environmental impact statements, etc.
- Use of Word, Excel, and Powerpoint

Knowledge of GIS related hardware and basic computer requirements and techniques.

- Expert in applications of GIS hardware as it pertains to the biological and cultural approaches to conservation in Hawaii.
- Experienced in ArcGIS
- Knowledge of basic computer requirements for GIS related hardware and appropriate techniques for conveying important geospatial concepts with regard to the conservation and preservation of natural and cultural resources.

Professional knowledge of standard geography, digital cartography, biology, and physical sciences, as appropriate, to successfully integrate and apply the full range of GIS applications to meet program objectives.

- Experience utilizing Geospatial technologies and software, conducting field research with a Trimble GEO7X, GEOXH, EOS, Avenza and converting spatial data to shapefiles.
- Use of Photogrammetry, and ArcGIS.

Basic knowledge of NPS planning and management requirements and guidelines so that work applies to programs that provide adequate long-term protection for resources.

- Conducted trail restoration, site visits, event coordination and preparation.
- Experienced in NPS processes and protocols associated with Ala Kahakai National Historic Trail.
- Ability to apply management requirements and guidelines of NPS to project scope of work and associated programs.

Ability to sustain long periods of standing, walking over rough, muddy, uneven, swampy, or mountainous terrain; recurring periods of bending, crouching, stooping, stretching, reaching or similar activities; and recurring lifting of moderately heavy items weighing up to 50 pounds. Capacity to participate in outdoor work that may occur in hot, cold, humid, or dry weather conditions and during periods of rain, fog, or other adverse weather conditions.

- Outdoor work in hot, dry, and exposed conditions on uneven terrain including but not limited to searching for, identifying, mapping, and restoring trail sections in diverse landscapes with varying weather conditions and climates.

**Supervisor:** Aric Arakaki

**Okay to contact this Supervisor:** Yes

**Education:** Oregon State University College of Earth, Ocean, and Atmospheric Sciences Corvallis, OR  
United States

Bachelor's degree 6 / 2021

**GPA:** 3.2 of a maximum 3.2

**Credits Earned:** Quarter Hours

**Major:** Environmental Science

**Minor:** Geographic Information Systems

**Relevant Coursework, Licenses and Certifications:**

Concentration in Applied Ecology

Certification in Geographic Information Systems

## **Affiliations:**

### **Kona District Representative**

#### **Public Access, Open Space, and Natural Resources Preservation Commission (PONC)**

**04/2022 - Current**

#### **Duties, Accomplishments and Related Skills:**

Basic knowledge of program management and administration of budget, contracts, and personnel.

- Represents the County interests as they pertain to the 2% land funds and the appropriate allocation of funds for the purpose of preserving important cultural and ecological landscapes in Hawaii County.
- Communications with County personnel and PONC commissioners to determine where County interests are best invested in relation to the 2% fund.

Competency in understanding laws, regulations, policies, scientific and technical manuals, scientific protocols, plans, procedures, and any additional directions given and defined by the supervisor and uses judgement in interpreting and adapting guidelines for specific cases or problems, then analyzes results to recommend changes.

- Develop and submit to the mayor an island-wide prioritized list of qualifying lands worthy of preservation to include a list organized by parcel significance with reasoning for its priority.
- Give emphasis to land acquisitions where the County's contribution can be leveraged to obtain State, Federal, and/or private lands.

Exercises sound judgement in the performance of duties where gaps in specificity or conflicts among guidelines occur. Uses judgement in determining which appropriate alternatives should be used, and in interpreting and adapting guidelines for application to specific situations or problems. Able to determine when work is precedent setting, affects policy, and requires supervisory review, or needs review at a higher level of expertise within the relevant discipline.

- Review, evaluate, and make recommendations to the director of the department of parks and recreation regarding applications for stewardship grants from the maintenance fund, within six months of receipt of each application.
- Review stewardship grant recipient performance reports, conduct interviews, and perform site visits and other activities necessary to verify that grant objectives are being met.

Experience working on assignments which consist of varied projects that provide diversified experience as a foundation for future project responsibility of greater scope, difficulty or magnitude. Assignments are typically screened to eliminate difficult or unusual problems. Assignments require familiarity with and use of standard principles, methods, and practices to solve relatively limited professional problems.

- Review stewardship grant applications, business plans, agreements, and other documentation accompanying grant applications.
- Conduct interviews and perform site visits and other activities necessary to formulate a recommendation

### **Large Landowner Representative**

#### **Hawaii Island Burial Council**

**04/2021 - Current**

#### **Duties, Accomplishments and Related Skills:**

Basic knowledge of program management and administration of budget, contracts, and personnel.

- Expert in the duties and responsibilities of the Hawai'i Island Burial Council and the Burial Sites Program as it pertains to the duties and responsibilities of the State Historic Preservation Department and activities which fall under the Hawai'i Administrative Rules (HAR) Historic

Preservation Division Chapter 13-300, Rules of Practice and Procedure Relating to Burial Sites and Human Remains.

Competency in understanding laws, regulations, policies, scientific and technical manuals, scientific protocols, plans, procedures, and any additional directions given and defined by the supervisor and uses judgement in interpreting and adapting guidelines for specific cases or problems, then analyzes results to recommend changes.

- Assist the State Historic Preservation Department in the inventory and identification of Native Hawaiian burial sites by providing information obtained from families and other sources.
- Maintain a list of appropriate Hawaiian organizations, agencies, and offices to notify regarding the discovery of Native Hawaiian skeletal remains, any burial goods, and burial sites.
- Application of laws, regulations, policies, protocols, plans, procedures, and any additional directions given and defined by the State Historic Preservation Department and Hawai'i Administrative Rules in interpretation and decision-making for specific cases or problem.

Exercises sound judgement in the performance of duties where gaps in specificity or conflicts among guidelines occur. Uses judgement in determining which appropriate alternatives should be used, and in interpreting and adapting guidelines for application to specific situations or problems. Able to determine when work is precedent setting, affects policy, and requires supervisory review, or needs review at a higher level of expertise within the relevant discipline.

- Make recommendations to the department regarding the appropriate management, treatment, and protection of Native Hawaiian burial sites, and on any matters related to Native Hawaiian burials sites.
- Authorized to deem department records relating to the location and description of Native Hawaiian burial sites sensitive and thereby exempt from the requirements of section 92F-12, HRS (HAR 13-300-4)

Experience working on assignments which consist of varied projects that provide diversified experience as a foundation for future project responsibility of greater scope, difficulty or magnitude. Assignments are typically screened to eliminate difficult or unusual problems. Assignments require familiarity with and use of standard principles, methods, and practices to solve relatively limited professional problems.

- Provide a clear and concise historic preservation review of burial treatment plans and burial site components of preservation plans which address the short- and long-term preservation measures of a burial site.
- Make determination(s) for preservation or relocation of previously identified Native Hawaiian burial sites
- Experienced in making determinations on whether to recognize a claimant as a lineal or cultural descendant based on a written assessment provided by SHPD (HAR 13-300-35)

The successful accomplishment of the duties of this position results in strategies and products to protect resources and resolve problems in a way that meets management objectives. The work involves treating a variety of conventional problems, questions or situations in conformance with established criteria. The product or service affects the design or operation of programs, and the adequacy of activities such as field projects or research conclusions

- Expert in conflict-resolution management through non-violent communications as it applies to the varying stakeholder interests on a given project.

**Professional Presentations and Publications:**

Biological-Cultural Approaches to Conservation: Presentation on Ancient and Historic Trail Systems and Traditional Ecological Knowledge in Hawai'i at the Hawai'i Conservation Conference