

## SUMMARY

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Over 17 years of formal and informal education, community outreach, and exhibit design and curatorial innovation. I have a solid background in Hawaiian history, information research, educational foundations, outreach technology pedagogy, and event and programmatic curation. My curatorial methodology is information empowered and patron-centered design based upon multimodal learning style identification and format delivery best practices. I have been involved in native Hawaiian exhibit, curation, and program design for over 10 of those 17 years.

## QUALIFICATIONS

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- (PhD (ABD)) Learning Design and Technology
  - (MEd) Masters in Education Technology
  - (MLISc) Masters in Information Science
  - (B.A) Bachelors in Hawaiian Studies
  - (A.S) Recording Engineering
  - >17 years of Formal & Informal Education and Public Programming
  - >10 years of Curation and Exhibit Design with integration into education environments
  - >6 years of collaborating and fostering key relationships with State & Federal agencies on native Hawaiian educational frameworks.
  - >4 years of Instructional Design and Program Assessment
  - >4 Strategic Technology and Media Plan Development
  - Federal Grant Writing & Budgetary Oversight
  - Policy and Procedures Development
  - Logistical and Project Management
  - Systems and Technology Infrastructure Management
  - Effective Communication 'Ōlelo Hawai'i (*Hawaiian Language*) Proficiency
  - Native Hawaiian Art and History Background
  - Cultural Expert Connections and Pacific Scholarly Research
  - Hawai'i Land Tenure Expertise
  - Extensive Teamwork and Collaboration Experience
  - Thinking locally, initiating globally relevant projects that enable a worldview
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## REFERENCES

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## EDUCATION

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- PhD University of Hawai'i at Mānoa**  
College of Education – PhD in Learning Design and  
Technology *Focus on Cultural Education via Immersive  
Environments*  
(All But Dissertation), Expected Graduation Summer 2022
- MEd University of Hawai'i at Mānoa**  
College of Education – Masters in Education Technology  
*Focus on Instructional Systems & Education Design*  
Graduate with Distinction,
- MLISc University of Hawai'i at Mānoa**  
Library Information & Computer Sciences Department  
Graduate with Distinction,
- B.A. University of Hawai'i at Mānoa**  
Kamakūokalani Center for Hawaiian Studies  
*Focus on Traditional Society and Land Tenure*  
Graduate with Distinction,
- A.S. Full Sail University, FL**  
Associates of Science in the Audio Recording Engineering  
Graduate with Honors,



## **DISTINGUISHED PROJECTS & CONFERENCES**

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**2017** Presenter – MuseumNext International, Melbourne, Australia  
**2017** Presenter – Smithsonian Journeys Program, Hawai'i Expert  
**2016** Presenter – USDA Food Security Symposium, Hāloa  
**2016** Presenter – American Historical Association, Pacific Branch  
**2016** Presenter – IUCN World Conservation Congress (Smithsonian)  
**2015** Presenter – International Conference on Interpretation – NZ  
**2014** Geospatial Mapping of American Sāmoa, Manu'a, Rose Atoll  
**2013** Presenter – Liko A'e Emerging Hawaiian Leadership Conference  
**2012** Presenter – TCC Worldwide Education Conference (The Virtual Lo'i)  
**2011 - 2015** Geospatial mapping of the Northwestern Hawaiian Islands  
**2011** Presenter – TCC Worldwide Education Conference (Voyaging)  
**2006** Harvard-Smithsonian Cosmic Questions Logistics  
**2005** The Historical and cultural significance of Pa'ala'a, O'ahu (CIS)  
**2003** Spatial Inventory of the Moai Roads, Rapa Nui, Chile

## **DISTINGUISHED AWARDS**

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**2015** NOAA "Sea to Shining Sea" Award for Education  
**2014** NOAA Innovation of the Year Award ~ Spatial Mapping of NWHI  
**2014** State of Hawai'i Certificate of Special Conduct  
**2011** Harvard Leadership Institute Award  
**2006** Association of Science and Technology Centers Leadership Program  
**2003** Arthur C. Parker National Science Foundation Grant

## **PROFESSIONAL EXPERIENCE**

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**Curator – Hawai'i and the Pacific**

**Smithsonian Asian Pacific American Center**

**The Smithsonian Institution, Washington, D.C**

**2016- Present**

Serving as Curator of Hawai'i and the Pacific and technical logistical lead on three Smithsonian Asian Pacific American Center Culture Labs (D.C, New York, Hawai'i, Auckland). Successfully wrote for and was awarded the Smithsonian Youth Access Grant and Kamehameha Innovations Grant for 2017 totaling >\$150,000 for Smithsonian APAC center programming. Increased connections and collaborations with Hawai'i based organizations both academic and cultural organizations. Providing Pacific cultural and historical foundations and expertise for the Smithsonian APAC program and other Smithsonian units. Digital and media content creation. Signature

**Manager - Mokupāpapa Discovery Center**

**Office of Marine National Sanctuaries**

**Papahānaumokuākea Marine National Monument, Hilo, HI**

**2011- 2016**

Envisioned, managed and implemented the transformation of Mokupāpapa Discovery Center (MDC) from 5,600sqft at the S. Hata Bldg to 31,000sqft Koehnen Bldg. MDC is the first dual language (Hawaiian/English) education facility in Hawai'i. Over a year of collaborating with the County of Hawai'i Planning and Building Departments, contractors, mayor, city officials, and buildings owners to get the project up and meet deadlines while adhering to the International Building Code and Federal ADA requirements. MDC is a world-class education, science and technology facility focusing on marine and ecosystem conservation through place based and digital learning initiatives.

- **Partnerships – *International***

- Worked as a Project Expert on behalf of NOAA with Rili Djohani, CEO of the Coral Triangle Center in Bali, Indonesia in the re-design, planning, and facilities operations of the forthcoming world-class facility located in Sanur, Bali.
- Created partnerships with Catlin Seaview, University of Queensland and Underwater Earth for the remote mapping of American Samoa remote reefs.

- **Partnerships - *Domestic***

- Created the partnership between Papahānaumokuākea Marine National Monument and Google and have served as the PI for the Street View mapping of the Northwestern Hawaiian Islands. This was the first Google/Federal joint partnership to be crafted.
- Project PI and Manager for the spatial mapping of American Samoa, Aunu'u Island, Rose Atoll, Swains Atoll, and the Ta'u Islands Group.
- Crafted the American Sanctuaries Streetview MOA between Google and NOAA to capture 12 sanctuaries between 2015-2018.
- Expanded collaboration and research partnerships with the University of Hawai'i at Hilo, 'Imiloa, Stanford University, NOAA MLO, NOAA Fisheries, NASA, and Hawaii Island Community.
- Envisioned and implemented the 'Aloha 'Aina Puako Bay Community project with Liquid Robotics Inc.

- **Education Programs, Assessment, and Policy**

- Produced center policies for operations, safety, education, volunteer, and outreach programs.
- Administered program metrics and assessments utilizing the ADDIE and ARCS instructional design models.
- Developed and programmed new educational content for both formal and informal center learning via haptics and immersive based augmented and virtual reality technologies.
- Designed and delivered formal classes on natural sciences, integrated ecosystems and robotics in conservation (ROV/Drone) educating



- >14,200 public, private, and university students from across Hawai'i and the world.
  - Initiated MDC telepresence courses via Blackboard Collaborate to connect Hawai'i's students to the world and the world to Hawai'i.
  - Curation of native Hawaiian and Pacific cultural and natural resources and exhibits for the centers educational public programming.
- **Dynamic Media Programming**
  - Introduced haptic-based technology into the centers educational outreach.
  - Worked with Google Expeditions to create immersive "virtual fieldtrips" of the Northwestern Hawaiian Islands for worldwide distribution
  - Developed streaming video servers to seamlessly deliver multi-synced content across the facility.
  - Developed HTML5 based frameworks for scalable exhibit and content delivery.
  - Development of iBook/eBooks for greater ONMS distribution
  - Pod/Vodcast of MDC main educational themes
- **Fiscal Conservativeness**
  - Recapitalized existing exhibit components and technologies while expanding content via in-kind donations to outfit new 31,000sqft facility.
  - Utilized in-house fabrication skills and media proficiency to develop content saving on outsourcing costs.

**Information Technology Specialist**  
**Edwin H. Mookini Library, U.H. Hilo, Hilo, HI**

2007-2011

- **Teaching (Freshman - Graduate)**
  - Computer Usability Education Courses (Word, Excel, MiniTab)
  - Photoshop Proficiency Class
  - Database and Resource Research Search Class
- **Senior IT management experience**
  - Strategic development of short and long-term technology plans
  - Co-management and administration of Library IT budget
  - Management of seven staff and students
  - Development of IT policies for the Library
  - Statistical reporting to meet metrics & cost-savings plans
  - Management of computer labs and server infrastructure
  - Implementation of network security hardware and software measures prior to UH system wide breaches
  - Critical systems oversight of server hosted databases, valued at >\$400,000 in annual subscription costs, to serve UHH, HawCC, West Hawaii, NHERC, and the Daniel K. Inouye Pharmacy College.

- **Cross-campus collaborations to increase native Hawaiian student media services**
  - Ka Haka 'Ula O Ke'elikōlani: Ka Leo streaming audio server - virtual access to Hawaiian language recordings
  - Kīpuka Native Hawaiian Student Center: Creation of hi-tech audio/visual student presentation room
  - VC of Admin. Affairs: Sustainable Printing Initiative
  - Apple at UHH initiative

**Exhibits Manager / Interim Facilities Manager**      2005-2007  
**'Imiloa Astronomy Education Center, Hilo, HI**

Hired as Exhibits Manager to get a project that was five years behind schedule up and running in a six-month period. The facility was opened on time and all exhibit construction actually came in under budget. During my tenure at 'Imiloa I was able to save a substantial amount of revenue, streamline services, produce educational/outreach content and generate millions of dollars of in-kind donations. 'Imiloa was the second dual language (Hawaiian/English) education center in Hawai'i.

- Development of strong partnerships with Harvard-Smithsonian, NASA, NOAA, and Observatories
  - Oversight of \$623,000 in Federal Funds for completion of Garden Sky Café as Interim Facilities Manager
  - Facilities personnel management as Interim Facilities Manager
  - Negotiations with third party vendors - savings of >\$140,000
  - Service on management committees: Strategic Planning, Vision/Mission, & Community Outreach
  - Fiscal and procurement coordination within RCUH
  - Coordination of complex shipping manifests, point of transfer and timed installations
  - Bridging communication between observatories, astronomers, UH, & Hawaiian stakeholders
  - Served as Safety Officer and point of contact for OSHA and LEEDS
- **Education Programming**
    - Taught school groups (K-12) on informal educational classes on Kilo Hōku (native Hawaiian astronomy)
    - Created Bilingual Astronomy Educational Content (Hawaiian/English)
    - Initiated Robotics Building Class & Lessons within the facility
    - Started 'Imiloa's native Hawaiian cultural lecture series
- **Administration**
    - Oversight of >\$2.6 million dollar exhibits hall budget, 2005
    - Revenue generation through the acquisition of new exhibits (net worth \$2.7 million dollars)
    - Management of up to twelve contract personnel
    - Successful cost savings negotiation with third-party vendors and contractors
- **Technology Initiatives**
    - Automation of exhibit hall – reducing power consumption by 23%

- Designed & implemented exhibit hall network & security schema
- Produced & created "One Ocean One Sky" planetarium feature
- Developed interactive multimedia displays
- Responsible for the completion of break-in-contract multimedia exhibits
- Design plan, & implementation of new exhibits

### **Chief Technology Officer**

2004-2005

**Hui Maka'āinana Land Research Corporation, Honolulu, HI**

- Contract Cultural Information Resources Brokerage for Hawai'i Land Tenure
- Drafted Cultural Impact Statements (CIS) for Bishop Estate Land Asset Division
- Cultural Database design and implementation
- Management and creation of geospatial data sets for CIS
- Managed a team of three ethnographic researchers
- Qualified native Hawaiian Land Research Expert

### **Information Systems Database Manager**

2002-2005

**Kia'i 'Āina Program**

**Kamakakūokalani Center for Hawaiian Studies, UH Mānoa, Honolulu, HI**

- Community Education, Outreach, and Collaboration (*Hawai'i and Maui Counties*)
- Management of technological, database, media and associated budgetary decisions
- Oversight of program technology and networks
- Curation of Nā Wahi Pana (*Special Places*) Research
- Information resource organization and extensive critical research including: historic digitization, Hawaiian Language Translation, original high-resolution scans, geospatial shape files, and supporting multimedia.

### **Senior IT Specialist - Remote Location Engineer**

1999-2002

**Aloha.com / Pixi.com / PDC Hawai'i, Honolulu, HI**

- Senior IT Specialist responsible for a team of five IT technicians
- High security wireless installations at Wheeler Air Force Base, PTP Wireless
- First high-speed wireless hotel in Hawaii, Halekūlani Hotel, Waikīkī
- IT wireless infrastructure Hilton Hawaiian Village, Waikīkī
- DSL Network grid rollout in conjunction with Verizon
- Point-to-Point microwave communications Pali Ridge to Honolulu
- Remote and Mobile wireless AP installations
- Enterprise backbone management T1, FT1
- Business network solutions, DSL, POTS, co-location, & domain services
- Commercial, federal, and government DSLAM and gateway installations