

Jacob John Ka'ulawena Burke

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Education

University of Washington, Seattle, Washington

Expected date of graduation: Spring 2019

Major: Informatics (Double Degree) – B.S. in *Human-Computer Interaction* and B.S. in *Information Assurance and Cybersecurity*

Minor: Geography - *Geographic Information System (GIS) and Mapping*

Dean's List – 2016 and 2017

Relevant Skills & Strengths

Programming Languages:

- Most experienced: Java, HTML, CSS, CSS Libraries, JavaScript, Git
- Exposure to: React, Firebase, PHP, SQL, R, JSON, XML

Technology & Design:

- Practiced in Design Thinking and numerous amounts of design paradigms
- User research skills and working directly with consumers to enhance user experience
- Skilled at many types of prototyping, whether it be low fidelity (sketching) or high fidelity (wireframing)
- Experienced with Adobe Illustrator, Adobe Premiere Pro, and Adobe After Effects
- Proficient with ArcMap and ArcGIS Online

Relevant Courses

Informatics 360 – Design Thinking:

- Introduced theory and practice of user-centered design. Developed a broad conceptual understanding of design thinking with emphasis on incorporating people in the entire design process.
- Increased understanding of design methods for identifying user needs, envisioning and devising new design concepts, prototyping these concepts, and evaluating utility and usability.

Informatics 365 – Mobile Application Design:

- Explored the fundamentals of mobile UX & UI design through the creation of own mobile OS and core mobile applications in a design studio setting individually and as a team.
- Examined mobile design languages, mobile patterns, and how designing for mobile is unique compared to other mediums.

Computer Science & Informatic Classes:

- “Information Systems Analysis and Design,” learned how to analyze system context, behavior, and structure; identify stakeholders; and redesign systems to better meet user and organizational goals.
- “Client-Side Web Development,” learned markup, programming, protocols, libraries, frameworks and techniques for creating effective, usable, dynamic, and responsive applications that meet user needs.
- “Data Structures and Algorithms,” learned advance Java algorithms and data structures for implementation.
- “Relational Database Management Systems,” mastered all the fundamentals of SQL, R and database modeling.

Work Experience

State of Hawaii, Office of Planning, Hawaii Statewide GIS Department, Honolulu, Hawaii

June 2017 to August 2017

Intern

- Created FGDC compliant metadata, worked with interactive maps in ArcMap, and developed simple web applications for projection purposes.
- Worked under and reported to the head of the State of Hawaii's Office of Planning.
- Covered topics including Affordable Housing, Transit-oriented Development and Health Care Market Information.

University of Hawaii, Social and Behavioral Health Sciences, Honolulu, Hawaii

October 2013 to June 2014

Research Assistant Intern

- Assisted researchers with data collection and data input for large multi-ethnic public health study. Worked on large data sets in Excel relating to health issues with Hawaii's grade school students.
- Demonstrated computer skills, communication skills and professionalism in a work environment.