

PROFESSIONAL SKILLS

- Software design principles, object oriented programming, Agile/Scrum.
- **Languages:** C, C++, Java, Python.
- **Web:** HTML, CSS, JavaScript frameworks, test frameworks.
- **Database Development:** SQL, MongoDB
- Android development. Unix/Linux environments. Image and signal processing.
- Great communication skills. Eager to learn.

EDUCATION

- **University of California, Santa Cruz** Santa Cruz, CA
Bachelor of Science in Computer Science Sep 2014 - June 2018
 - **Coursework:** Key coursework in data structures, algorithms, comparative programming languages, software engineering practices (Scrum), operating systems, machine learning, probability theory (networking applications).
 - **Capstone Project:** Designed and developed a mobile app to automate solar siting surveys.

EXPERIENCE

- **Lionel Cantu Queer Center** Santa Cruz, CA
Graphic Designer Sep 2016 - June 2018
 - **Design:** Unified marketing for events, conferences, and center resources. Adobe Creative Suite, Canva.
 - **Outreach:** Fundraising presentations. Tabling at events. Social media.
 - Received UCSC's Leadership Service Award for contributions to the LGBTQIA community at UCSC.
- **MacDonald, Dettwiler, and Associates** Richmond, Canada
Software Engineer June - Sep 2016
 - **Front End Development:** Updated graphical user interface for monitoring all the components of a radar.
 - **Systems Integration and Testing:** Operated test automation suites for satellite ground systems.
 - **Engineering Process:** SI Engineering Bootcamp. Agile methodology.
- **UrtheCast** Vancouver, Canada
SAR Beams and Modes Database Developer June - Sep 2015
 - **Software Design:** Designed front end tools for managing the operational beams and modes of a synthetic aperture radar. Matlab, Python, MongoDB.
 - **Digital Signal Processing:** Simulated digital signal processing algorithms in Matlab.

PROJECTS

- **Smart Solar Siting** UC Santa Cruz
Android Developer (Java) Winter - Spring 2018
 - Built a mobile app to perform solar siting surveys. Worked with sponsor to assess problem context and solutions and met throughout design and development process. Scrum methodology.
 - **Image Processing:** Implemented OpenCV and Google Vision tools to detect obstructions and available sunlight.
- **Democracy Earth** UC Santa Cruz
UX Data Analyst Winter 2018
 - Partnered with non-profit Democracy Earth to gather and analyze UX data on their Sovereign platform.
 - **Data extraction and analysis:** Python scripting to clean and organize scraped data. R analysis.
- **SproutLabs** UC Santa Cruz
Test Automation Developer Fall 2017
 - **Unit and End-to-End Testing:** Developed unit (Jest) and end-to-end (nightwatch.js and selenium) test suites for the SproutLabs VueJS web application (sproutlabs.io).