

EMPLOYMENT

Software Engineering Intern	Ringo AI	Santa Cruz, CA
		January 2020 - Present

- Wrote a 2 band ratio threshold filtering algorithm for separating the subject of a hyperspectral image from the background
- Created a full stack web app that would display Hyperspectral Images and plot the data associated with it
 - Interacting with different parts of the image would return the spectral reflectance data about the pixels in the specified area
- Hyperspectral images and the data associated with each image are served from a Java EE Application Server
- Worked on the API that returns the spectral data to the web app
 - Spectral data for each image was stored in individual hyperspectral cubes
 - Dealt with hyperspectral images taken from wavelengths of 400nm to 1000nm

Learning Technologies Consultant	University of California, Santa Cruz	Santa Cruz, CA
		January 2018 - January 2020

- Assisted the IT department by supervising the 12 computer labs on campus
- Assisted customers and troubleshooted defected equipment to increase overall lab productivity

Information Technology Intern	Alameda County	Oakland, CA
		June 2016 - August 2016

- Created PowerShell scripts to deploy packaged applications to 10,000+ users around the county
- Assisted and troubleshooted 100+ users around the county

EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	September 2016 - June 2020
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- B.S. in Computer Science, June 2020 (expected)
- Undergraduate Coursework: Principles of Computer Systems Design, Computer Architecture, Data Structures, Algorithms, Abstract Data Types, Mobile App Development, Web Development, Databases, Distributed Systems

PERSONAL PROJECTS

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- **FiTrak** (2019). Developed the Android component of a multi-platform app with the goal of connecting potential workout clients directly with personal trainers. Developed by following the SCRUM software development framework. **Android Studio, Java, Google Firebase, Ruby**
 - **Secret Santa** (2019). Developed an Android app that allows users to play the popular “Secret Santa” game with a group of others at holiday parties and events. **Android Studio, Java, Google Firebase**
 - **EasyLiving** (2019). Developed an Android app that allows users to assign chores, split responsibilities and send messages to each other in order to keep the group’s household tidy. Developed by following the SCRUM software development framework. **Android Studio, Java, Google Firebase**
 - **Barber Shop** (2018). Developed a website that allows users to sign up for haircuts with a barber of their choosing. **Web2Py full-stack web framework, Python, JavaScript, SQL, HTML, CSS**

LANGUAGES, TECHNOLOGIES AND SKILLS

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- Python, Java, C, JavaScript, Haskell, HTML, CSS, Assembly
 - PostgreSQL, Docker, SQLite, Android Studio, Git, REST APIs, Web2Py, Vue.js
 - SCRUM, Agile, Data Structures, Algorithms, Abstract Data Types, Mobile App Development, Web Development, SQL Database, Distributed Systems

AWARDS

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- **UCSC Dean’s Honors List Recipient** (2017, 2018, 2019): Awarded for students who achieve a grade point average in the top 15% of their academic group
 - **Eagle Scout** (2014)