

Ethan Shields

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EXPERIENCE

CDK Global - Software Engineering Intern - Portland, OR

JUNE 2019 - AUGUST 2019

- Implemented and unit tested new features in a production web application using React, Jest, and Spring Boot with a team of engineers and other interns in a scrum environment.
- Used modern front-end development standards and tools such as ES6 syntax, ESLint, and Redux.
- Worked with a team of other interns to create a prototype Android application that sends real-time notifications about vehicle recalls in a hackathon-type setting.

Welocalize - Quality Assurance Intern - Portland, OR

JUNE 2016 - SEPTEMBER 2018

- Wrote NodeJS programs for web-scraping and other kinds of task automation, including a desktop application which bulk downloads all attachments from a set of JIRA issues.
- Prepared and administered workstations for employees and provided them with technical support.
- Provided IT support such as configuring networks and repairing or re-imaging computers.

EDUCATION

Oregon State University - Corvallis, OR

SEPTEMBER 2016 - PRESENT

Bachelor of Science in Computer Science with a 3.55 GPA. Four year recipient of Finley Academic Excellence scholarship. Expected graduation date June 2020.

SKILLS

- **Programming Languages** - JavaScript (NodeJS), Python, Java, C.
- **Operating Systems** - Mac OS, Windows, Unix command line environments.
- **Frameworks & Libraries** - React, Jest, ExpressJS, Django, Spring Boot, Android.
- **Development Tools** - Atom, IntelliJ IDEA, PyCharm, Android Studio, Git.

PROJECTS

- **Traffic and Pedestrian Tracker** - Senior capstone project. Uses computer vision and machine learning to detect and track objects in traffic camera footage to collect data for the City of Portland.
- **VATSCAN** - A mobile application for the flight simulation network VATSIM. Built on React Native as the sole developer. Currently in public beta with nearly 6,000 downloads from the Google Play Store.
- **Flight Logger** - A social network style web application for travelers to log their real-world flight information. Written in ExpressJS, React, and MongoDB.
- **QuakeTrack** - A mobile app that uses the USGS Earthquakes API to display recent earthquakes on a list and map. Sends real-time notifications to users when a significant earthquake occurs.

ACTIVITIES

Bike First! - Volunteer - Portland, OR

JUNE 2010 - JUNE 2019

An annual one-week long summer camp teaching kids with special needs the skills needed to ride a two wheel bike. Worked with kids with a variety of special needs (autism, down syndrome, ADHD, etc.) in order to help them succeed.