

KYLE HOLMBERG

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SKILLS

- + **Programming Languages:** JavaScript, Python, C, C++, and Swift
- + **Front-end:** React.js, Vue.js, Redux, Vuex, Sass, Stylus, d3.js, HTML, and CSS
- + **Back-end:** Flask, Django, Cordova, PostgreSQL, MySQL, and SQLite
- + **Infrastructure:** Git, Command Line (Bash), Selenium, Webpack, Gulp.js, Jira, Heroku, and Docker
- + **Graphic Design:** Adobe Photoshop, Illustrator, and Experience Design (Wireframing)

EXPERIENCE

- + **Developer** – (Internship) LAIKA (July 2017 - Oct 2017)
Developed a React map application for inventory tracking and movement reports. Customized an open-source Python conversion script for PyQt Maya extensions, and successfully upgraded entire library for usage in Maya 2017.
- + **Full-Stack Web Developer** – (Contract) Charter Communications (Jun 2017 – Aug 2017)
Worked as independent contractor in re-architecting a monolithic web app for Charter Network Engineers. Transitioned app to microservice architecture replacing thousands of lines of code from server-side rendered views (Django templates, jQuery, Ajax) with Django REST Framework serving a Vue.js front-end. Front-end utilizes modularized state management with Vuex and a focal nested, recursive component.
- + **Front-End Developer** – [OperationCode.org](https://operationcode.org) (Jan 2017 – Present)
Leading contributor to the React.js front-end of a non-profit, open source organization. Authored the style-guide and was directly involved with many system-level decisions. Involved in nearly every aspect of the websites initial and ongoing development.
- + **Software Engineer** – University of Oregon (May 2017 – July 2017)
Promoted from QA Engineer to Software Engineer at the Center on Teaching & Learning. Created build configurations for C.I. of HiFi Reader Cordova application. Updated platform from Cordova 3 to 7.
- + **Software QA Engineer** – University of Oregon (Nov 2016 – May 2017)
Used Selenium to conduct unit and regression tests on multiple web applications. Developed tests and user stories for Cordova mobile app for the Center on Teaching & Learning's HiFi Reader app (dibels.uoregon.edu).

PROJECTS

- + **LOST Inventory Tracker** – lost-app.herokuapp.com
Independently engineered a full-stack, Flask web application used for reporting and moving assets between facilities. Utilized a custom Postgres database without an ORM (to highlight SQL syntax knowledge), and designed a RESTful API for user activation and deactivation.
- + **FPL Data Visualization**
Designed an Python web scraper using Beautiful Soup capable of parsing 40 REST API endpoint requests per second (objects are 1000+ lines each). Outlined results of Premier League data with a Flask web application, a custom MySQL database, d3.js, and a Jupyter Notebook.
- + **Ringo Starr**
Managed team that developed an integrated system for a music-activated, dancing robot. Successfully connected a computer-on-module, a "Ringo" robot, microphone, and IR transmitter.

EDUCATION

- + Bachelor of Science, **Computer Science** with a minor in Business Administration
University of Oregon (Class of 2017)