

# 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, Heroku, and Docker
- + **Graphic Design:** Sketch, Adobe Photoshop, Illustrator, and Experience Design (Wireframing)

## EXPERIENCE

- + **Developer** – (Internship) LAIKA (July 2017 - Oct 2017)

Took ownership of a React map application for inventory tracking - utilized Redux, Immutable.js, and SVG manipulation. Customized an open-source Python conversion script for PyQt Maya extensions. Went on to utilize script for updating 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 unit and e2e tests with user stories for Cordova mobile app ([dibels.uoregon.edu/market/hifi](https://dibels.uoregon.edu/market/hifi)).

## PROJECTS

- + **LOST Inventory Tracker** – [lost-app.herokuapp.com](https://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)