KYLE HOLMBERG

714.715.3282 | KMH@UOREGON.EDU

in LINKEDIN.COM/IN/KYLEMH | ○ GITHUB.COM/KYLEMH | ⊕ KYLEMH.COM

EDUCATION

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

SKILLS

+ **Programming Languages:** Python, JavaScript, C, and C++
+ **Front-end:** React.js, Vue.js, Sass, HTML5, CSS3, d3.js
+ **Back-end:** Flask, Django, multiple APIs, Cordova, PostgreSQL, MySQL, SQLite
+ **Infrastructure:** Git, Command Line (Bash), Selenium, Webpack, Gulp.js, Jira, Heroku, Docker
+ **Graphic Design:** Adobe Photoshop, Illustrator, and Experience Design (Wireframing)

EXPERIENCE

+ **Developer** — (Internship) LAIKA (July 2017 - Oct 2017)
Developing a map application for inventory tracking. Focused on designing reusable components with atomic design in mind. 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 (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 – Present)
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.

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.