

# KYLE HOLMBERG

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## EDUCATION

### + Bachelor of Science, **Computer Science**

University of Oregon (June 2017)

- Minor: Business Administration

- Notable Courses:

Algorithms, Data Structures, Operating Systems, Software Engineering, and Database Issues.

## SKILLS

+ **Programming Languages:** Python, JavaScript (Vanilla, ES5, and ES6), C, and C++

+ **Back-end:** Flask, Django, RESTful APIs, Cordova, PostgreSQL, MySQL, SQLite

+ **Front-end:** React.js, Vue.js, Sass, HTML5, CSS3, d3.js

+ **Infrastructure:** Git, Command Line (Bash), Selenium, Webpack, Gulp.js, Jira, Heroku, Docker

+ **Graphic Design:** Adobe Photoshop, Illustrator, and Experience Design (Wireframing)

## PROJECTS

### + **LOST Inventory Tracker** – [lost-app.herokuapp.com](http://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** – [ix.cs.uoregon.edu:5010](http://ix.cs.uoregon.edu:5010)

Designed an asynchronous Python web scraper capable of parsing 40 REST API endpoint requests per second. 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.

## EXPERIENCE

### + **Full Stack Web Developer** – (Under Contract To) Charter Communications (June 2017 – Present)

Acted in a small team setting to update, refactor, and scale an existing internal platform to prepare for national release. Responsibilities included updating Django from 1.3 to 1.11 and integrating Vue.js as a front-end replacement to Django's templating.

### + **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 CI of HiFi Reader Cordova application. Updated platform from Cordova 3 to 7. Currently upgrading other internal libraries and automating the app store signing process.

### + **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/market/hifi](http://dibels.uoregon.edu/market/hifi)).

### + **Front End Developer** – [OperationCode.org](http://OperationCode.org) (Jan 2017 – Present)

Leading contributor to the React.js front-end redesign of the non-profit, open source organization. Authored the style-guide and was directly in many system-level decisions. Designed the initial file structure and independently implemented various pages.