KYLE HOLMBERG

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EDUCATION

+ Bachelor of Science: **Computer Information Science**
University of Oregon (June 2017)
- *Minor:* Business Administration
- *Notable Courses:* Algorithms, Data Structures, Software Engineering, Operating Systems, Database Issues, Data Mining, and Probabilistic Methods

SKILLS

+ **Programming Languages:**
Python, JavaScript, C, C++
+ **Back-End**:
Flask, Django, RESTful APIs, Cordova, PostgreSQL, MySQL, SQLite
+ **Front-End:**
React.js, Vue.js, Sass, HTML, CSS
+ **Infrastructure:**
Git, Gulp.js, Terminal (Bash), Selenium, Docker, Jira, Heroku
+ **Graphic Design:**
Adobe Photoshop, Illustrator, and Experience Design

PROJECTS

+ **LOST Inventory Tracker –** lost-app.herokuapp.com
Independently engineered a full-stack Flask web application, utilizing a Postgres database without an ORM for increased performance.

+ **FPL Data Visualization** – ix.cs.uoregon.edu:5010
Designed an asynchronous Python web scraper capable of parsing 40 REST API endpoint requests per second. Outlined results with a Flask web application, hand-crafted 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.

+ **Pthread-based Network Driver**
Developed a multithreaded demultiplexor in pure C. Program is written for a Linux/Unix architecture and manages data with a scheduling packet buffer.

EXPERIENCE

+ **Software QA Engineer**, *University of Oregon* (Nov 2016 – Present)
Developed tests for Cordova mobile app for the Center on Teaching & Learning's HiFi Reader app (dibels.uoregon.edu/market/hifi). Used Selenium to conduct unit and regression tests on multiple web applications.

+ **Cadet**, *U.S. Army ROTC and National Guard* (Sep 2012 – Feb 2015)
Led groupings of up to 150 soldiers in coordinated maneuvers/trainings.

+ **Volunteer**, *Relay For Life* (2015 – 2017)
Manager of fundraising booth for my social fraternity (Phi Gamma Delta) raising over $1500 to date.