

# KYLE HOLMBERG



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## EDUCATION

- + Bachelor of Science: **Computer Information Science**  
*University of Oregon (June 2017)*
- Minor: *Business Administration*

## SKILLS

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

## PROJECTS

- + **Ringo Starr:** Managed team that developed an integrated system for a music-activated dancing robot. Utilized computer-on-module, an Arduino-programmed robot, and other pieces of hardware (like infrared transmitter).
- + **FPL Data Visualization:** Created an exploratory report into Fantasy Premier League statistics. Utilized a Python webscraper on FPL's API, MySQL database design, Flask web application, d3.js, and Jupyter Notebooks.
- + **LOST Inventory Tracker:** Solely engineered a full-stack web application, with Flask and Postgres in the back end. To be deployed via Heroku on a Docker/Travis-CI webpack using NGINX and unicorn.
- + **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)  
Utilized Selenium IDE in conjunction with TamperMonkey to conduct unit and regression tests on multiple web applications.
- + **Cadet**, *U.S. Army* (Sep 2012 – Feb 2015)  
Led groupings of up to 150 soldiers in coordinated maneuvers and trainings.
- + **Volunteer**, *Relay For Life* (2015 – 2017)  
Manager of fundraising booth for my social fraternity (Phi Gamma Delta) raising over \$1500 to date.