

Levi Starrett

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Education

Purdue University

Bachelor of Science in Computer Science

focus in Systems and Software Engineering

West Lafayette, IN

May 2016 [3.85]

Skills

Technologies

- **C/C++** – Strong background in writing system level and embedded applications in C and C++. Implemented a specialized FTP server for Qualcomm modems
- **Version Control** – Experience with **git**, **subversion**, and **perforce** in real software teams, and familiar with online source hosting such as **Github** and **Bitbucket**
- **Python** – Extensive experience building web applications in Python using the **Flask** microframework
- **Java** – Firm understanding of **object oriented programming** in Java
- **MySQL** – Practical experience using **relational databases** in applications
- **Team tools** – Used **Hangouts**, **JIRA**, **git**, **subversion**, **Skype**, and **Outlook** in real world employment environments

Leadership

- Undergrad Lecturer for Purdue CS190 Tools course
 - Primary lecturer for CS190 Tools at Purdue University (Fall 2015). 400+ students
 - Cover topics such as **linux**, **bash**, **vim**, **git**, **eclipse**, **debugging**, etc
 - Developed much of the course material including labs, lecture slides, and demos
- Purdue/Qualcomm recruiting app team lead
 - Led a team of five other Purdue students in creating a mobile web application for the **Qualcomm** campus team
 - Built Node.js/Express framework using git for version control
 - Scheduled meetings, assigned tasks, managed due dates and oversaw app progress and requirements
- Student leader on the Purdue Bible Fellowship leadership team

Experience

Employment

- **Qualcomm Technologies, Inc.** (qualcomm.com)
Interim Engineering Intern
Boulder, CO
May 2015 – August 2015
 - Worked for modem data services on the protocols team
 - Implemented a specialized **FTP server** for testing data throughputs on various interfaces
 - Worked extensively in testing on target builds running **Android**
- **Qualcomm Technologies, Inc.** (qualcomm.com)
Interim Engineering Intern
San Diego, CA
May 2014 – August 2014
 - Part of a **Dogfooding** team developing an automatic platform for testing
 - Worked on a server in JavaScript, HTML5, and CSS on the **Node.js** framework
 - Worked extensively in testing devices using the **Android** operating system and **ADB**
- **Emergent Instruments, Inc.** (emergentinstruments.com)
Software Developer
West Lafayette, IN
May 2013 – May 2014
 - Part of a team developing software for an electrochemical analyzer
 - Used **git**, and worked as part of a team with other developers
 - Programming in Python, JavaScript, HTML5 and CSS on the Flask framework
 - Interfacing with embedded software in C on a target device via USB

Projects

- Created and maintain an **open source project** exploring cheat algorithms for the game snake: levistarrett.com/snake
- Built an Android powered navigation shirt system for Boilermake 2014: levistarrett.com/Wear2GO
- Wrote an Android application for social networking using **AllJoyn** for Qualcomm hackathon HackMobile
- Wrote HTTP framework for apartment access using **Raspberry Pi** as hardware target (in progress)
- Created RGB toilet bowl nightlight (just for fun ☺) <https://www.youtube.com/watch?v=7ixtPnmSlls>