

CHASE STRICKLER

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EDUCATION

Hamline University, St. Paul, MN

- Bachelor of Arts in Computer Science, August 2019
- GPA: 3.75/4.0 - Magna Cum Laude

TECHNICAL SKILLS

Languages: (Proficient) Java, Python, C++, Shell, HTML5/CSS (Familiar) C, C#, Groovy, MIPS Assembly Language

Miscellaneous: Agile and Waterfall Methodologies, Git, Linux, Android, Android Open Source Project (AOSP), OpenCV, Bluetooth Low Energy (BLE), Amazon Web Services (AWS) Cloudwatch, Microsoft Azure, Android Debug Bridge (ADB), Gradle

RELEVANT EXPERIENCE

Xirgo Technologies, LLC - Edina, MN

Software Engineer, June 2019 - Present

- Develop features for embedded Android firmware for IoT camera vision device used as a fleet management solution including, but not limited to, SMS management, persistent file upload queue, and BLE connectivity.
- Built upon an Android companion application developed during my internship to integrate barcode scanning, improved user interface, and sending commands over BLE via characteristics.
- Improve the quality of images captured by the device using knowledge of image formats in conjunction with altering proprietary Android source code.
- Support effort in updating Android system images for pre-production phase devices by building system images and troubleshooting over-the-air update issues.
- Pioneer and manage Linux build box used by the team to build Android system images and wrote a migration plan to cloud-based builds using Docker, Terraform, and Amazon EC2.
- Manage and maintain an automated test suite I created in Python to perform integration testing for the Android application running on our device by utilizing ADB commands.
- Monitor device fleet by reviewing events displayed on AWS Cloudwatch and Microsoft Azure.

Intern - Software Engineering, May 2019 - June 2019

- Design and develop Android Bluetooth low energy (BLE) application used in production to pair two devices.

Hamline University - St. Paul, MN

Teaching Assistant for Introduction to Computer Science, September 2018 - December 2018

- Attend class sessions and establish a relationship with students, resulting in a 19% higher grade point average in my section over the other.
- Provide supplementary material for lectures in the form of lab and assignment prompts.
- Grade assignments and provide students with descriptive feedback.

Academic Success, Hamline University - St. Paul, MN

Computer Science Tutor, September 2018 - May 2019

- Explain fundamental programming ideas such as variables, conditionals, loops, classes, and object-oriented programming in C++ to students.
- Assist students with programming assignments by breaking down the prompt into smaller parts, then designing and diagramming software with them on a whiteboard.