

SKILLS

NATIVE ANDROID ENGINEERING	In depth knowledge of the Java API; experience with Kotlin, Gradle, Instant Apps Worked with common industry standards such as dependency injection
FULL-STACK WEB DEVELOPMENT	Frontend: JavaScript (jQuery), HTML (Jade), CSS (Compass, LESS) Backend: PHP (Yii2, Zend), SQL, some Node.js and Python
PROGRAMMING	Java, C/C++, Python: solid foundation in the style and uses of these languages Software Design: experience and training in maintaining large projects Linux: day-to-day usage with top-level components (command line, scripting, Git)
MATHEMATICS	Strong academic core with a focus on Abstract Algebra and Combinatorics Analytical thinking, problem solving, and abstract reasoning

EXPERIENCE

THUMBSTACK <i>Software Engineer Intern</i> Summer 2017	Rebuilt the sign in flow in the Thumbstack customer Android app from the ground up. Most notably, I added account creation and Facebook login options, as well as modernizing the UI and running experiments on how aggressively to prompt for login. I was on the forefront of transitioning the app to a reactive paradigm with RxJava and translating Java code to Kotlin. I fleshed out existing solutions and added my own ideas, learning alongside the rest of the team.
IMAGING SYSTEMS TECHNOLOGY <i>Intern</i> Summer 2016	Developed an Android tablet app to monitor and control a manufacturing process in order to fine tune the system. The app gathered live data via Bluetooth; tracked averages, regressions, and errors; displayed realtime graphs; and kept logs of past runs. I used the native Java SDK and focused on handling large amounts of data in an extensible way and finding useful ways to present it to the team.
METABOLISMFUN <i>Full-Stack Web Engineer</i> July 2013 - Jan 2015	Created the online, turn-based educational game <u>MetabolismFun</u> which allows the player to learn metabolic pathways in an engaging, interactive way. I worked one-on-one with Dr. Neocles Leontis at BGSU to develop the website to teach cellular metabolism in his classes and beyond. I was responsible for programming, design, and deployment and used Yii2, MySQL, and jQuery.
AGILE OASIS TECHNOLOGIES <i>Web Developer Intern</i> Summer 2015, 2013	Summer 2015: Developed the social network site <u>Project Qi</u> which aims to connect users to non-profit organizations. I used Yii2, MySQL, Bootstrap, and jQuery and worked closely with the client to create the experience he had in mind. Summer 2013: Designed and built the frontend for a variety of contracted websites.
PERSONAL ROBOTICS <i>Intern</i> Summer 2012	Designed an Android application for in-house use on the humanoid robot HERB. The app provided a simple interface for normally difficult tasks such as adjusting motor position, displaying sensor output, or sending a direct command.

EDUCATION

CARNEGIE MELLON UNIVERSITY 2013 - 2018 (Expected)	Senior in the Mellon College of Science, double majoring in Mathematics and Computer Science with a cumulative GPA (as of Fall 2017) of 3.31
SAINT JOHN'S JESUIT High School; 2009-2013	Graduated as Valedictorian with a 4.8 cumulative GPA on a 4-point scale Took classes at Bowling Green State University during high school equivalent to a Mathematics minor, with a cumulative GPA of 4.0