Mark Fonte

mark@fonte.com · (734) 255-1541

EDUCATION

May 2020	**University of Michigan** · Ann Arbor, MI *Bachelor of Science in Engineering, Computer Science & Minor in Entrepreneurship* GPA: 3.42/4.0
Coursework:	Web Systems, Operating Systems, Data Structures and Algorithms, Entrepreneurship Practicum, Introduction to Computer Security, Foundations of Computer Science, Introduction to Computer Organization, Discrete Mathematics, Applied Linear Algebra, Entrepreneurial Business Basics

WORK EXPERIENCE

May 2017 - Aug 2018 **Learning A-Z** · Ann Arbor, MI · *Software Engineering Intern*

Summer 2018 **Android Parent Portal Project**
- Created Android native application in Kotlin to give parents access to their students' activity
- Integrated with existing backend restful services using AsyncTaskLoader class
- Researched Firebase hosting and database capabilities and presented findings to team

Summer 2017 **Student Badge Project**
- Implemented badge achievement system to incentivize users, picked up and released in 2018
- Continuously improved SQL schema and queries to optimize for serving eight million students
- Developed server-side logic in PHP to handle front-end service calls

PROJECT EXPERIENCE

Sept 2018 - Present **Spotlight** · *github.com/markfonte/Spotlight_Android* · Chief Technical Officer
- Leading development team for sorority services company focused on Android and iOS apps
- Managing Firebase backend, domains and internal services at core of company

Jan 2019 **LaughableLyrics** · *SpartaHack V* · East Lansing, MI
- Earned *Most Creative/Funniest Hack* and top-10 finish for automatic lyric translation app
- Built Android application using Jetpack and Glide libraries for smooth, responsive UI

Sept 2018 **CongoAI** · *GrizzHacks 3* · Auburn Hills, MI
- Won top sponsor prize at 24-hour hackathon for building web marketplace for AI models
- Constructed Vue.js front-end on top of MongoDB and Express.js for a smooth UX

Oct 2017 - Present **Spotify Playlists Web Application**
- Building Angular web application using Spotify's API to enhance user experience by rating playlists based on audio features
- Integrating Node.js back-end service with Firebase database to persist user information

June 2018 - Present **SMS Messenger Android Application**
- Creating lightweight, modern messaging application using Kotlin and native Android SMS APIs
- Using Android Architecture Components to create efficient and intuitive UI

SKILLS

Languages:	C, C++, Java, JavaScript, Kotlin, MySQL, PHP, Python, TypeScript
Technologies:	Android Development, Angular 2+ Development, Firebase, Git, Web Development

LEADERSHIP

Sept 2016 - Present **Music Director & Treasurer** · *Gimble A Cappella* · Ann Arbor, MI
- Directing rehearsals and writing music to prepare group for three performances annually
- Designing and maintaining website to connect followers to relevant information about group
- Revamping online presence across all platforms to promote group brand