

Education

Rochester Institute of Technology

Graduated January 2016, Summa Cum Laude

Computer Science (BS)

Psychology Minor (MN)

Experience

Full Stack Engineer, Doppler — February 2021 - Present

- Developing the Doppler Universal Secrets Manager

Senior iOS Engineer, Alarm.com, Video Mobile Team — March 2020 - February 2021

- Developing the Alarm.com iOS app and branded apps
- Developing the Alarm.com mobile backend API
- Developing and maintaining the Alarm.com video backend infrastructure
- Designing and developing internal tools and new feature prototypes

Full Stack Engineer, Bryx Inc. — Part Time 2014, Full Time 2015 - February 2020

A software company building tools for first responders.

- Developing Bryx 911 for Web and other products in TypeScript + React
- Developing Bryx 911 for iOS in Swift
- Developing Bryx 911 for Android in Kotlin
- Designing and implementing user interfaces across platforms
- Developing the Bryx API and Geocoder in Kotlin + MongoDB + Dropwizard
- Developing Bryx Station integration software in Kotlin
- Providing on-site installation walkthroughs and support for remote hardware products
- Building Computer Aided Dispatch (CAD) data integration parsers in python
- Developing internal tools, web applications, and analytics engines
- Working directly with customers to determine system requirements
- Establishing a joint business partnership between Bryx and a location data provider
- Developing an in-house, automated support ticket assignment system
- Providing Tier 1, 2, and 3 technical support for customers via email and phone
- Providing cross-functional training and product expertise to sales and marketing departments
- Building and exhibiting demonstration environments at industry trade shows

Interning HomeKit Development Engineer, Apple Inc. — January 2015 - August 2015

- Building and maintaining sample code and API feature development

Interning Wireless Software Engineer, Apple Inc. — Summer 2014

- Designing wireless projects and high-level feature development

Student Lab Instructor, Rochester Institute of Technology — 2013 - 2014

- Teaching, tutoring, and grading work for the RIT Computer Science Department

Areas of Focus

- UI / UX Design and Development
- Backend System and API Design
- Database Management
- Internal Tool / Internal Process Development

Proficiencies

Languages and Frameworks

- ★★★★★ Python + flask, requests, plot.ly
- ★★★★★ TypeScript and JavaScript + React
- ★★★★★ Kotlin and Java + Dropwizard
- ★★★★☆ Electron / Node
- ★★★★☆ Kotlin and Java + Android Frameworks
- ★★★★☆ Swift and Objective-C + iOS Frameworks
- ★★★☆☆ C and C++

Tools and Technologies

- ★★★★★ MongoDB
- ★★★★★ Git VCS
- ★★★★★ Regular Expressions
- ★★★★☆ SQL (MySQL, SQLite, PostgreSQL, MSSQL)
- ★★★★☆ Linux DevOps / systemd / Bash
- ★★★☆☆ Docker
- ★★★☆☆ Ansible

Other Interests

- Home Automation (IoT)
 - HomeKit
 - Home Assistant / HassIO
- Drones and UAVs
- Cryptography and Security
- Media / Video Streaming
- Electric Skateboarding + Onewheel

References

Available upon request.