
EDUCATION

BS in Computer Science, Finance Minor
Drexel University — Philadelphia, PA

Expected December 2021

WORK EXPERIENCE

System UI and Frameworks Engineering Intern

June 2021 — September 2021

Apple

Cupertino, CA

- Worked on proximity set up for Apple AirTags
- Supported other sharing technologies in the Apple ecosystem

Software Engineering COOP

April 2020 — September 2020

Penn Mutual

Horsham, PA

- Designed and architected audit **microservice** that alerts program malfunctions in all systems and services.
- Developed a microservices chassis framework with **Spring Framework**, reducing time to configure a microservice project on average by 80%.
- Enhanced **REST**-based services using **Spring Boot** to fit the needs of expanding applications.

Cross-Platform Engineer COOP

April 2019 — September 2019

Skillz Inc.

San Francisco, CA

- Owned, planned, and coded account management screens and player achievement trophies used by more than 13,000 developers and 10 million players using **React Native**.
- Fixed major crashes in **Android SDK**, bringing up crash-free session rate from 80% to 99.6%.
- Implemented and supported the user side of a pooled queue system allowing for a faster match in sync games while bringing down timeout rates from 21% of the timing out to 6.3%.
- Spearheaded initiative for the Skillz **iOS SDK** to have iOS 13 and XCode 11 support using **Objective C**.

Software Development Engineer COOP

April 2018 — September 2018

Dell Boomi

Chesterbrook, PA

- Created a POC using **AWS** machine learning model to help clients self-diagnose problems in customers' hosted boxes, reducing 25% of support calls.
- Parallelized UI automation tests using **Docker** and **Selenium** to reduce execution time by 85%.
- Analyzed performance using **Datadog** for product infrastructure **EC2 Instances** to create a reference architecture used by support personnel to recommend a configuration to customers' necessity.
- Made a calculator to estimate the client's configuration performance, running different types of data processing jobs on reference **EC2 Instances**.

Full Stack Developer

June 2017 — May 2018

Drexel Empathic Labs

Philadelphia, PA

- Designed and built a user-centric website design while meeting IRB requirements with **Adobe XD**.
- Managed co-workers by assigning tasks to improve efficiency and finish requirements on time.

PROJECTS/ACTIVITIES

Explorer

In-Progress

iOS Application – Swift, SwiftUI

- Designed an iOS application to showcase information about the US National Parks using **SwiftUI** and **Swift**.
- Use GeoJSON data to overlay each national park on **Apple MapView** and provide park info overlay.

Project Lemon: Dev Lead

June 2020 – June 2021

Web Application – React, Express, MongoDB, Node.js, Typescript

- Created financial advisor tool for eMoney Advisor to showcase **REST APIs**.
- Ideated, prototyped and conducted user research to gather feedback from end-users.
- Led an 8-person engineering team and implemented **MERN stack**-based web application in **Typescript**.

BackTrack: Project Lead

January 2017 — October 2017

Android Application – Java/Android SDK

- Overhauled the user interface for a seamless user experience using XML and Java.
- Oversaw successful completion of the project by scheduling meetings and designating tasks.
- Embedded native camera functionality into the app and added local storage to store and retrieve data.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, Swift, Java, Objective C, Bash, SQL

Framework: UIKit, AVFoundation, SceneKit, React, React Native, Spring Boot, Spring, Jest

Tools: Xcode, Git, Postman, Swagger, Charles Proxy, AWS, Android Studio, Visual Studio, Photoshop

Operating Systems: UNIX/Linux, Windows, OSX