

Education

- Georgia Institute of Technology (3.33/4.00)**

Bachelor of Science in Computer Science - Dean's List

Atlanta, GA

Aug 2017 – Dec 2020

- Teaching Assistant - CS 7470/4605 Mobile & Ubiquitous Computing

Skills

- **Languages:** Java (Proficient), Kotlin (Proficient), Python, Javascript
- **Technologies:** Android, Flutter, Espresso, Mockito, OkHttp + Retrofit, Coroutines, AWS (Redshift, DynamoDB, S3, Lambda, EMR, IoT, Cognito, IAM), Firebase (Authentication, Firestore, Storage, Cloud Messaging, Cloud Functions, ML Kit), Git, JIRA, TeamCity
- **Concepts:** Object-orientated programming, mobile development, MVC, MVP, MVVM, Agile, Scrum, QA
- **Certifications:** GCP Big Data and Machine Learning Fundamentals, GCP Fundamentals: Core Infrastructure

Experience

- Amazon**

Last Mile - Software Development Engineer I

Bellevue, WA

Feb 2021 – Present

- Amazon Web Services**

Amazon Redshift - Software Development Engineer Intern

East Palo Alto, CA

May 2020 – July 2020

- Ideated and developed Simple Replay v2, an open source tool for replaying workloads using Python.
- Targeted release while managing private betas with external AWS customers. Helped resolve customer issues escalated to AWS leadership. Became point-of-contact and subject matter expert.
- Coordinated with customers, engineers, PMs, legal, security, and other business units to design project and create a multi-phased release. Onboarded and handed project to another intern.

- Amazon**

Amazon's Choice - Software Development Engineer Intern

Seattle, WA

May 2019 – Aug 2019

- Shipped code to amazon.com. Significantly increased purchasing metrics by improving relevancy.
- Created a new cross-organization product, coordinating efforts across senior PMs, SDEs, and UX researchers.
- Doubled consumed data types, increasing relevancy and fueling new customer experiences.

- National Cash Register**

Silver & Innovation Lab Software Development Engineer Intern

Atlanta, GA

May 2018 – Dec 2018

- Overhauled Android app UI and introduced new hardware support.
- Deployed a Kotlin Multiplatform project, eliminating duplicate code in Android and iOS.
- Introduced instrumentation tests by implementing Espresso and UI Automator, and integrated them into CI.

Miscellaneous

- Theory**

Co-Founder & CEO

https://theoryiot.com

Sep 2017 - Nov 2020

- Responsible for mobile and web apps in Flutter, Alexa and Google Assistant integrations in Node.js, all things backend and AWS (IoT, Cognito, DynamoDB, API Gateway, IAM), CAD, contractors, and legal matters.

Other

- Publications**

Human-Computer Interaction

- **ISWC '21:** Typing on Tap: Estimating a Finger-Worn One Handed Chording Keyboard's Text Entry Rate.
<https://doi.org/10.1145/3460421.3480428>
- **ISWC '20:** Conversational greeting detection using captioning on head worn displays versus smartphones.
<https://doi.org/10.1145/3410531.3414293>
- **MobileHCI '20:** Towards an Understanding of Real-time Captioning on Head-worn Displays.
<https://doi.org/10.1145/3406324.3410543>