Jason Tu

https://jasontu.io

resume@jasontu.io

Education

- **Georgia Institute of Technology (3.33/4.00)**   Atlanta, GA
  Bachelor of Science in Computer Science - Dean's List   *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**   Bellevue, WA
  Software Development Engineer I   *Feb 2021 –*
- **Amazon Web Services**   East Palo Alto, CA
  Amazon Redshift - Software Development Engineer Intern   *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, principal engineers, principal PMs, legal, marketing, and other business units to design project and create a multi-phased release. Onboarded and handed project to another intern.
- **Amazon**   Seattle, WA
  Amazon's Choice - Software Development Engineer Intern   *May 2019 – Aug 2019*
    - Shipped code to amazon.com. Significantly increased purchasing metrics by improving relevancy.
    - Created a new cross-organization product, involving senior PMs, SDEs, and UX researchers.
    - Doubled the types of consumed data, increasing relevancy and fueling new customer experiences.
- **National Cash Register**   Atlanta, GA
  Innovation Lab & Silver Software Engineering Intern   *May 2018 – Dec 2018*
    - Worked on an Android app by introducing customer-demanded features, added support for more hardware, and fixed critical time-sensitive bugs.
    - 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**   https://theoryiot.com
  Co-Founder & CEO   *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 '20**: Jason Tu, Georgianna Lin, and Thad Starner. 2020. Conversational greeting detection using captioning on head worn displays versus smartphones. https://doi.org/10.1145/3410531.3414293
    - **MobileHCI '20**: Jason Tu, Georgianna Lin, Thad Starner. 2020. Towards an Understanding of Real-time Captioning on Head-worn Displays.