Lucy Tibbetts

San Francisco, CA

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WORK EXPERIENCE

Software Engineer @ Humane
October 2021 – May 2022

San Francisco, CA

- Member of a small team developing cloud services to support a novel consumer hardware device
- Designed and implemented APIs for multiple features, owning code across the client (Android) and backend services
- Owned application-level, client-side development for user binding and auth, working with Open SSL, AWS certificates, and Android Keystore
- Partnered with another engineer to lead efforts across client and server codebases to reorganize APIs and IPC patterns, improving modularity and ease of development
- *Technologies:* Android, Java, Spring, gRPC, Amazon EKS, DynamoDB

Software Engineer @ Microsoft
September 2019 – October 2021

Redmond, WA

- Worked on large-scale distributed systems powering digital licensing for Xbox and PC gaming (100k RPS during peak hours)
- Delivered licensing support for multi-device login on Xbox, coordinating with client team for testing and rollout
- Migrated licensing cache from in-memory to Azure Cosmos DB, using regional topology to harness auto-scale effectively and reduce costs
- Developed APIs for new commercial offerings including device-based subscription models and licensing for third-party software vendors
- Participated in on-call rotation: quickly mitigated high impact incidents, drove root cause investigations, and debugged customer issues
- *Technologies:* C#, .NET, Azure Kubernetes, Cosmos DB

Software Engineering Intern @ Amazon
May – August 2018

Seattle, WA

- Intern on AWS IoT team developing a new service "Things Graph": easily connect IoT devices and web services into automated flows
- Built Alexa skill allowing users to create Things Graph flows via voice
- Designed and implemented Java service to provide business logic and integrate with internal APIs
- *Technologies*: Java, Bash, Raspberry Pi, AWS IoT MQTT client library

EDUCATION

Gonzaga University
Class of 2019

B.S. in Computer Science
B.A in Mathematics
Summa Cum Laude

Favorite coursework:
*Partial Differential Equations
Global Climate Change Ethics
Programming Languages*

Family Relations Chair for Gonzaga Dance Marathon
Writer for Gonzaga Bulletin
Classical piano instruction
Peer tutor

SKILLS

Java/Spring, C#/.NET, SQL, TypeScript, React, Python
Written communication
Attention to detail

INTERESTS

Being outside: hiking, backpacking, running, biking
Reading (recent favorites are *Ministry for the Future* and Audre Lorde's essays)
Education (current instruction lead for Minds Matter SF)
Ceramics
Cooking