ADITYA KISHAN ANKARABOYANA

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EMPLOYMENT

HeadSpin, Inc
Software Engineer · Feb. 2019 to Current · Palo Alto, CA
• Developed an inventory service which allowed assigning devices to customer workloads with 66% reduced network footprint.
• Undertook a project that enabled platform support for XAPK distribution. This allowed submission of apps that were up to 6x larger than the Play Store size limit.
• Spearheaded a research project from ZERO to ONE. Devised new techniques to parse Instruments trace file for iOS 13 through 16.
• Bolstered the CI/CD pipeline by amplifying logging capabilities to identify bottlenecks in the platform that led to performance improvements of up to 30% in the profiler runtime.
Technologies used - Xcode, Instruments, Python

NimbleDroid, Inc
Software Engineer Intern · June 2018 to Aug. 2018 · New York, NY
• Researched and developed a network traffic monitoring service for iOS apps on the platform.
• Reverse engineered Xcode's Instruments APIs to extract and analyze app performance metrics like Memory Usage, Network Activity, Disk IO, Call Stack, etc.

Autograder
Software Developer · 2017 to 2018 · Buffalo, NY
• Developed a grading feature to allow more flexibility for the instructor in choosing the final grade across multiple submissions for an assignment.

EDUCATION

Coursera Certification, Natural Language Processing with Classification and Vector Spaces · Current

Coursera Certification, Machine Learning - by Andrew Ng · Aug. 2020

Bachelor of Science, Computer Science - University at Buffalo, State University of New York · 2014 to 2018

SKILLS

LANGUAGES: Python, C, Swift, MySQL, Golang

PROJECTS

cliChat
2023 to Current
• a chat application that lets multiple users connect to the server and and send messages with offline capabilities.
• Technologies Used - python

internetRadio
2020 to Current
• Created a select based networking application to stream mp3 songs over UDP in C.
• Modelled a controller (user) and a server(radio station) using sockets.
• Technologies Used: C

photoSync
Dec. 2017 to Apr. 2018
• Used Swift and Python to create an iOS app and backend that enables users to upload personal files to a private cloud.
• Technologies Used - Python, Swift, mySQL

AWARDS

University at Buffalo · University Dean's List
May 2018