

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 a 66% reduced network footprint.
- Undertook a project that enabled platform support for the 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 - Instruments, Python, Xcode

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.

Technologies Used - Instruments, Python, Xcode

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.

Technologies Used - MySQL, Ruby on Rails

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

API development, Python Programming, Backend Development, React Development, Full Stack Development, Reverse Engineering

PROJECTS

cliChat

2023 to Current

- Created a command-line chat application that lets multiple users connect to the server and send messages.
- 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, MySQL, Swift

AWARDS

University at Buffalo · University Dean's List
May 2018