

Andrew Chen

SOFTWARE DEVELOPER · CORNELL UNIVERSITY

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Education

Cornell University

Ithaca, New York

B.A. IN COMPUTER SCIENCE

Aug 2018 - May 2022

- Relevant Coursework: CS 1110 Introduction to Python · CS 2110 Object-Oriented Programming and Data Structures · CS 2800 Discreet Data Structures · CS 3110 Data Structures and Functional Programming

Experiences

Takk

Ithaca, New York

SOFTWARE ENGINEER

Sept 2019 - Present

- Utilized the Django framework to build fundraising site features such as user caller list and alumni donors profiles
- Wrote Python algorithms that categorize and sort prospective donors in database into appropriate category to better organize fundraisers
- Created graphs visualizations using chart.js based on database values

Cornell AguaClara

Ithaca, New York

SOFTWARE DEVELOPER

Sept 2019 - Present

- Developed a data collection platform using Android Studio that allow water plant operators in Honduras to fill out and store form temporarily offline and send forms when internet is available
- Save users' form into Google's Firebase RealTime database
- Access water plant operators' internal storage prompting required permissions in order to upload forms to Google's Firebase

Projects and Challenges

Aced

New York

ANDROID

May 2019 - August 2019

- Implemented a student organizer platform that allow students to keep track of their class schedules and events using Android classes and libraries
- Developed an algorithm to auto import scheduled class schedule into weekly calendar, taking away the need to add each class manually
- Created a SQLite database to save user's information for convenient offline access
- Successfully launched app on Google Play Store with a current rating of 4.5/5

Google Foobar

New York

CODING CHALLENGE

August 2019 - Present

- Currently working on a coding challenge by Google under time constraints
- Implemented algorithmic solutions using dating structures and other programming concepts
- Passed series of hidden test cases based on time complexity and memory restraints
- Utilized various data structures like stacks and concepts like depth-first search

Safety First

Ithaca, New York

ANDROID

Oct. 2018 - Oct. 2018

- Created emergency/safety app that makes getting in contact with your friends and family easier under Cornell's Hackathon 36 hours time constraints
- Developed, along with peer, app shake functionality using Android Shake Detector Library
- Collaborated with peer in designing daily notifications using Android Alarm Manager, Broadcast Receiver, Notification Class

Skills

Technical Skills: Java · Python · Django · Android Studio · C# · HTML · CSS · Git VCS · SQLite

Art Technology: Adobe Photoshop · Adobe XD · Adobe Premiere Pro