Nicholas Auyeung

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EDUCATION

University of California, Davis — Davis, CA
Major: Computer Science — Graduated: March 2020

TECHNICAL SKILLS

- Swift, Python, Java, C++, C, Javascript, HTML/CSS
- Google Cloud Platform, AWS
- MySQL, SQLite, Firebase
- MVVM, MVC, Microservices
- React JS, Node JS, Express, JSON
- Agile, Scrum

PROJECTS

Wine Quality *Sep 2018 - Dec 2018*

- A data science project written in Python aimed towards predicting the quality of wine.
- Data was drawn from and collected by UCI.
- More than 20 features reflecting the attributes of the wine(PH, acidities, taste, etc…) were provided and only 11 selected.
- Data contained about 2000 samples to train and 2000 to test from.
- Various models from sklearn library(rigid regression, gradient linear regression, random forests) were used.

Simple Shell *Jan 2019 - Jan 2019*

- Implemented a simple shell with basic UNIX system commands in C.
- Error management.
- Input/Output redirection, pipeline, and background commands.

File System *Mar 2019 - Mar 2019*

- Implemented an entire FAT-based file system software stack in C.
- Mounting and unmounting a formatted partition.
- Reading and writing files.
- Creating and removing files.

Photogram *Jan 2019 - Mar 2019*

- An iOS Swift application which closely replicates the basic functionalities of the commercial application, 'Instagram'.
- Allows users to upload photos to their user profile.
- Automatically updating scrollable news feed of the users' followers.
- Follows basic principles of UI/UX design.
- Utilizes Node.JS and blobs as middleware to a Firebase database.

Weather Widget *May 2019 - May 2019*

- A weather widget created with Javascript, React JS, HTML/CSS, and noSQL.
- Data was drawn from the 'OpenWeatherMap' API.
- Ability to report the weather from any given city and region.
- A radar map is displayed with a 150- mile radius around the given location.
- Appearance changes based on the current weather condition and time.
- Follows design patterns, graphics, and coloring accurate to the designer's expected output.

Foods Choice *October 2019 - December 2019*

- An iOS Swift application that helps users decide on what to eat.
- Users join into groups with friends and post restaurant suggestions.
- Voting sessions are initiated by the leader of the group and are real time across all users.
- Restaurant suggestions are provided by Yelp Fusion API.