

Ruyin Shao (Edith)

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EDUCATION

University of Southern California, Los Angeles, CA

May 2019

Bachelor of Science, Computer Science

Cumulative GPA: 3.710

Honors: Dean's List, Grace Hopper Scholarship

Major GPA: 3.863

Coursework: Software Engineering, Artificial Intelligence, Algorithm, Data Structure and Object-oriented Programming, Video Game Programming, Mobile App Development, Security, UI/UX Design, Professional C++

SKILLS

Languages: C++, Java, Objective-C, SQL, R, HTML/CSS, JavaScript, Python

Tools: Xcode, Visual Studio, MySQL, Perforce, Android Studio

WORK EXPERIENCE

Electronic Arts, *Software Engineer Intern*, Orlando, FL

May – August 2018

- Implemented navigation flows NBA Live 19 Live Events game mode to ensure data is transferred correctly
- Fixed 15 issues in camera positions on player movement and data display on social media reaction in Franchise mode with C++
- Collaborated with QA and tested NBA Live to minimize risks on creating side effects to other game modes

Huawei, *Data Analyst Intern*, Shanghai, China

June – July 2017

- Automated the process to load and clean 4G network data to fasten the analysis and visualization
- Formulated 3D diagrams using rgl and rgl3D in R to show relative changes in average traffic volume of the 3/4G network data in different time frames
- Supported team members in preparation and interpretation of weekly data reports on the change in traffic volume

Onstar Shanghai, *Software Engineer Intern*, Shanghai, China

June – July 2016

- Assisted to building visualized reports in QlikView to display title status of cars for valuation reference
- Verified data consistency by using SQL to check the data in visualized reports to improve accuracy

University of Southern California, *Teaching Assistant*, Los Angeles, CA

August 2017 – Present

- Graded homework and exams and held weekly office hour for Introduction to C++ class and Discrete Mathematics

PROJECTS

Smart Inventor Data Analysis, (*Python, Jupyter, Tableau*)

January – May 2018

- Visualized data extracted from CYME using Jupyter and Tableau to help PG&E to have potential cost savings on Smart Inverters (SI) at scale across the US
- Analyzed field data from previous PG&E SIs with decision tree model and K-Means Clustering

\$anity, (*Objective-C, Java, SQL, iOS dev*)

October 2017

- Built features such as add/edit budget, add category, change username and password in Objective-C in Xcode 9
- Developed server (on Digital Ocean) and client communication on retrieving and writing data to MySQL database
- Created support for pushing notifications when users spend over budget
- Utilized Exchange Rate and Facebook Login APIs

Cinamate, (*Java, HTML/CSS*)

January – May 2017

- Developed a social website using Java, AJAX, HTML and CSS that displays feeds and enables searches and ratings for users and movies through OMDB and TMDb APIs

SyncMe, (*Java, Android Studio*)

April 2017

- Developed an Android app that plays music synchronously for users in the same group and enables users to add, upvote, and downvote for songs in the playlist
- Designed user interfaces for login, profile, vote, and music playing page in Android Studio
- Set up MySQL on server on digital ocean and designed database structure