FANGZHENG LI

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EDUCATION

University of California, San Diego *September 2021 - Present*
M.S. in Computer Science and Engineering

University of California, San Diego *September 2017 - July 2021*
B.S. in Computer Science and Engineering, GPA: 3.585
Relevant Coursework: Data Structures, Algorithm Design, Graph Theory
Technical Strength: Java, C, C++, Python

WORK EXPERIENCE

Ping An Tec. July - September 2019
Operation Manager

- Implemented file archiving system and increased the efficiency of storing and accessing project files
- Helped organize and monitor main projects by ensuring that projects were thoroughly reviewed and delivered on time
- Integrated documentations on working standard of the group and built group page on Confluence

Anhai Tec. July - September 2018
Front-end Developer

- Enhanced compatibility of the application by using Bootstrap to build user interface of the quality control section and user feedback section for mobile users
- Decreased the average operations needed to reach a subsection of the application by 20%
- Helped design and implement a factory-level pipeline monitoring application

PROJECTS

Travel Planning App FriendTrip

- Built the web app using React frontend and Node/Express backend API
- Utilize Firebase for authentication and storing trips information

Cooking Companion App EasyCook

- Used Handlebars.js to build semantic templates for this app to improve execution speed
- Built the app incorporating React and Express
- Used Bootstrap for the aesthetic aspect

Actor Cooperation Predictor

- Used Python to scrape data from IMDb, integrated and analyzed data on actors and movies with pandas and Scikit-learn
- Used Dijkstra's algorithm for quantitative research on the relationship between two actors and made prediction on the probability of them working together in future
- Used disjoint set and path compression to reduce the run time of Union find to $O(\log n)$

ACADEMIC ACHIEVEMENTS

Honorable Mention in Mathematical Contest in Modeling	2016
Provost Honor	2017 - 2020