FANGQI YUAN

3535 Lebon Drive   B.S. in Computer Science
La Jolla, CA, 92122   University of California, San Diego
Email: fayuan@ucsd.edu   (717)503-9003

RESEARCH INTERESTS

Data Science/Analyze:Machine Learning, Data Mining/Analysis

EDUCATION

B.S. Computer Science   University of California, San Diego   9/2020-Present
Courses: Advanced Data Structures   CSE100
         Data Science in Practice   COGS108
         Theory of Computation   CSE105
         Component&Design Tech for Digital System   CSE140

B.S. Computer Science   Penn State University   9/2018-6/2020
Courses: Discrete Math/Cs   CMPSC360
         Interned Progrmg   CMPSC122
         Oop With Web   CMPSC221

RESEARCH EXPERIENCE

Data Science in Practice, *University of California, San Diego*   3/2021-6/2021
Member in a team of five, The impact of COVID-19 on wire fraud crime cases in Seattle
- The team project aims to report the relationship between wire fraud crime and COVID-19 in the Seattle Area.
- In this project, I am mainly responsible for finding data and doing data clean. And use Pearson correlation analysis and other statistical analysis in python to verify whether there is a correlation between COVID-19 and wire fraud crime.
- With a Pearson time-series correlation test and a linear regression model, we conclude that there is no significant relationship between the number of positive COVID cases and the number of wire fraud cases each month during the pandemic. However, we found that a limitation of our project is that we did not examine core factors such as the number of protests, which might affect the number of wire fraud crimes.

WORK EXPERIENCE

Intern, Programmer, *Shanghai ShiYou Network Co.,Ltd.*   5/2019-8/2019
Shanghai, China
- Had an experience of using pandas in python program.
- Gathered statistics about the internal financial data and reported it.
- Compiled statistical on all kinds of state data in the game and reported it. Reported on whether the data is sufficiently balanced.
- Tried to debug a new game developed by the company.
- Put forward new ideas for the company's games.

Intern, Database Programmer, *Industrial and Commercial Bank of China Limited (ICBC)*   5/2018-8/2018
Shanghai, China
- Maintained database for ICBC by using SQL. Refactored the process that reported error and passed the check. Manually passed the infinite process and wrote down the causes and number of errors. Manually added new data to existing database.
- Developed Android Apps by using JavaScript and SQL. Coding for a mobile phone APP to monitor the passage of each database process. In the process of coding for an App, I need to make my own decisions about the important information displayed on the screen.
- Had an experience in developing application on both PS and IOS/Android devices.

SKILLS

Computer Skills:
- Python (Intermediate), C++ (Intermediate), Java (Intermediate), SQL (Intermediate), JavaScript (Intermediate)
- Having several developing experiences by using Java, SQL, and JavaScript