

Shuo Wang

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EDUCATION

Bachelor of Science, Computer Science, Minor in Statistics, 09/2019 - 05/2023

University of Maryland, College Park, MD

GPA: 3.65 / 4.00

Dean's List, App developer of Chinese Students and Scholars Association

SKILLS

Programming Language: Python | SQL | SAS | Java | C

Operating Systems: macOS | Windows | Linux

Tools: Amazon Web Service | Docker | Microsoft Azure | MySQL | Redis | Airflow | Git | Firebase

EXPERIENCE

The Janssen Pharmaceutical Companies of Johnson & Johnson, NJ | 07/2023 - Present

Full Stack Developer (Contractor)

- Developed and deployed a Python Flask web application from scratch, kept maintenance and implemented incremental changes for 11 distinct Angular web applications on AWS EC2 Linux server.
- Coded SQL scripts for data ETL processes and streamlined efficiency by integrating Airflow for automated data pull procedures result in saving over 3 hours manual work.
- Resulted in 10 times faster loading speed by incorporated Redis cache into Dash applications,
- Integrated Microsoft Azure services into Dash applications, fortifying security measures and tracking user information and visit frequency.
- Installed a monitor web application in Docker to monitor over 20 dashboards on 6 servers with a straightforward UI and email notifications.

Cobbs Creek Healthcare, PA | 06/2023 - Present

Data Analyst

- Processed, cleaned, and visualized a large pharmaceutical dataset using Python and SQL.
- Reported daily newly-coming drug commercial data and trend for PhotoCure.

University of Maryland - College Park, MD | 09/2022 - 01/2023

Teaching Assistant

- Handled individual sessions and led discussion sessions about projects in C in Linux server 3 times a week.
- Assisted 2 professors(co-teaching) with document coordination and grading for 800+ students.

Cobbs Creek Healthcare, PA | 12/2021 - 01/2022

Intern

- Developed interactive visualizations for a Pharmaceutical dataset using Python Matplotlib and Plotly; enhanced data analysis capabilities and facilitated senior analysts.
- Collaborated essential components for the internal dashboard using Python Dash.
- Improved Idorsia data uploader from single thread to multi-threads and shortened the download time 6 times.

Projects

Direct pptx generator dashboard app

- Designed a Python Flask app that users can generate pptx with interactions with the dashboard using python dash, Python Polars.
- Built in function that can read in users template pptx input and add charts and text to desired location.
- Incorporated a side preview for users to review the current pptx.

Battleship Game

- Created a battleship game that processes text files containing Ship or attack strategy information, on a 10X10 GameBoard of ships and performs attacks on the opponent's GameBoard in Ruby.
- Used read-in files to get a board with Ships and an Array of Position objects which represent the attack strategy of each player.
- Applied attack on each player and updated board accordingly till end of the game.