Tianli Xu

(240) 936-9697 ● tellyapply@gmail.com

EDUCATION

Johns Hopkins University   Baltimore, U.S.
Master of Science, Information System
Master of Science, Business Analytics and Risk Management   Expected May 2024
- Honor: Dean's Scholarship
- Teaching Assistant for MBA and Graduate courses

Shanghai University   Shanghai, China
Bachelor of Science, Mathematics and Applied Mathematics   Jul 2022
- Honor: Innovative Scholarship

INTERNSHIPS

TexPower EV Technologies, Inc.   Texas, U.S.
Full Stack Developer Intern   Dec 2022 - May 2023
- Designed and developed a responsive front-end Web Application for QC tracking of a lithium battery project, utilizing **TypeScript**, **React**, and Ant Design for a seamless user experience
- Implemented data processing and visualization using Python, coupled with REST API integration, to deliver real-time insights to managers
- Facilitated the deployment of the application on **Azure**, establishing Continuous Integration and Continuous Deployment (CI/CD) pipelines for efficient software delivery

Skills: React, TypeScript, Python, REST API, **Azure, CI/CD**

Accenture Co., Ltd   Shanghai, China
China Construction Bank, Financial Settlement Project, Full Stack Developer Intern   Jan 2022 - Aug 2022
- Using **TypeScript** and **React** at the front end to build user interface and statistics visualization dashboard for audit department
- Developed the backend using Node.js, MySQL, focusing on dividend insurance policies and calculate fair value
- Wrote and executed Manual Test cases using Python and Selenium according to the UAT Test Plan

Skills: TypeScript, React, Node.js, MySQL, Python, Selenium

Pacific Insurance, Solvency Compliance Project, Backend Intern   Apr 2022 - Aug 2022
- Leveraged SQL to focus on dividend insurance policies and calculate fair value
- Utilized SQL to carry out tasks relating to the preparation of upper-level data and the apportionment of direct insurance actual cash flow
- Spearheaded data visualization initiatives, utilizing Python to improve reporting and streamline decision-making processes.

Skills: SQL, Python

China Taiping Insurance Holdings Co., Ltd (Rank 334th among the Fortune Global 500)   Shanghai, China
Technology Operation Department, Data Scientist Intern   Jun 2021 - Aug 2021
- Implemented Python-based Machine Learning for data mid-end platform, enhancing decision-making with up-to-date insights
- Developed Robotic Process Automation (RPA) with Selenium for digital transformation, reducing monthly financial declaration time by 3 days and saving $10,000 in the annual budget
- Encapsulated the Robotic Process Automation solution using React, creating a user-friendly interface for finance department, enhancing accessibility and usability for non-tech savvy users

Skills: Python, Machine Learning, RPA, Selenium, **JavaScript**, **React**

Shanghai University   Shanghai, China
Operation and Optimization Laboratory, Research Assistant   Sep 2021 - Jul 2022
- Solved CT&MRI-graph segmentation problems of lesion delineation and expansion in neurosurgery navigation system by using methods as 3D U-Net, meeting the operating time and accuracy in Shanghai Sixth People's Hospital's requirements
- Developed recommendation Algorithm on Person-Post Matching project for Zhaopin Ltd, by using word2vec as feature engineering and GBDT as model, increasing accuracy by 8%
- Researched and enhanced TraceRCA algorithm by employing Graph Neural Networks, achieving a 91% accuracy rate in Root Cause Localization, Anomaly Detection, and Anomalous Service Localization. Significantly reduced operational costs for school and associated enterprise servers.

Skills: Python, C++, Machine Learning

SKILLS

Programming Language**: Typescript, JavaScript,** Python, C/C++, SQL, R, Wolfram, Matlab, Pascal
Experience in Linux/Unix OS, **AWS, GCP, Azure**, Selenium
IDE/Tools: VS Code, Vim, PyCharm, IntelliJ IDEA, GitHub
Microsoft: PowerApp, PowerBI, PowerAutomate, Sharepoint, Dataverse

AWARDS

- Gold Medal, Second place - 2021 China Collegiate Algorithm Design & Programming Challenge Contest (Individual/C++, Python)
- 2nd Prize - 2021 China Software Industry Smart Applications Design Competition (Team Leader/C++, Python)
- 1st Prize - 11th 'Lanqiao Cup' National Software and IT Professionals Contest, C/C++ Programming Design (Individual/C++)
- Gold Medal, Fourth place (0.2%) - China Collegiate Programming Contest, Jiangxi Provincial (Team Leader/C++, Python)

PROJECTS

- Developed an AI-Driven Fashion Model Image Generator, a web application leveraging **Typescript**, **React**, MySQL, Python, and **Azure**. This innovative tool inputs clothing images and employs Stable Diffusion and OpenPose technologies to output lifelike model images, enhancing e-commerce platforms with advanced AI and machine learning capabilities