Ruiming Xu

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EDUCATION

PURDUE UNIVERSITY, West Lafayette – Indiana   Aug 2023 - Present
Bachelor of Science   **GPA: 3.78**
Major in Data Analytics, Technologies, and Applications | Minor in Computer Science
Awards: Dean's List
Relevant Coursework: Programming I, Intro To Systems Development, Information Technology Architectures, Intro to Supply Chain Mgmt. Tech., System Administration, Database Fundamentals, Systems Analysis And Design Methods, Cybersecurity Fundamentals

SKILLS

Programming Languages: Java, Python, SQL, HTML, CSS
Industry Tools/Skills: Pandas, Oracle SQL Developer, Tableau (Skills Badge: Analyze and Model Data to Create Insights), Power BI, Android Development, Excel, UML, Jupyter Notebook, VMware tools, Agile Methodology

EXTRACURRICULARS & LEADERSHIP

PURDUE - SOCIETY OF ASIAN ENGINEERS   Oct 2023 - Present
Design Chair (2024-2025)
- Designed flyers and merch for club events, such as company collabs and club bondings, and managed social media to increase interaction by 30%
- Managed professional events with industry companies (mock interviews, Q&As, etc.) as well as club bondings
- Reached out to companies for sponsorship package negotiation
- Mentored marketing cabinet members and general members

RESEARCH

THE DATA MINE - PURDUE   Aug 2024 - June 2025
- Collaborated with Beck's Hybrid on Seed Quality and Germination project to improve germination rates through linear regression models in Python and sklearn with a r2_score of 0.76
- Cleaned and manipulated datasets with thousands of rows of data for model training usage with Juypyter
- Created visualizations of models and data to better understand datasets and correlations in models using Python
- Managed documentation as well as creating and presenting completed work based on the company's requirements

PROJECTS

SOCIAL MEDIA PLATFORM   Spring 2024
- Led a group of 3 to develop a social media platform like Myspace with direct messaging using Java and Java Swing
- Created a database to store user data, a server to handle requests, and utilized multithreading and sockets to establish a system that can handle many client requests from different users at once
- Created fully functioning GUIs with Java Swing
- Provided a mock business pitch, demo, and report for the overall project

WINDOWS NETWORKED CLIENT/SERVER ENVIRONMENT   Summer 2024
- Led a team of 3 to set up a client/server architecture mimicking a growing local hospital
- Utilized VMware's suite of tools (vCenter, vSphere, etc.) to set up a system of virtual machines, ESXi servers, etc..
- Created a Windows system with roaming desktops, server redundancy, data backups, sites, and various other features to streamline business operations
- Created documentation of environment features, processes, issues, and conclusions for future references