

Ruiming Xu

rxu456@gmail.com • ruby-prog.github.io/ruimingxu.github.io/ • (925)-789-8820 • www.linkedin.com/in/ruimingxu

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

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

SKILLS

Programming Languages: Java, Python, SQL, HTML

Industry Tools/Skills: Pandas, Oracle SQL Developer, Tableau (Skills Badge: Analyze and Model Data to Create Insights), Android Development, Excel, UML, Perspective (JPMorgan's data visualization component), 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
- Clean, manipulate, and plot germination and other seed factor data with Python
- Trained to use Python and Bash to clean, manipulate data, and create graphs in TDM 101 and 201.

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, and other
- Created a Windows system with roaming desktops, server redundancy, data backups, sites, and various other features to streamline business operations
- Formed thorough documentation of environment features, processes, issues, and conclusions

AWARDS

- Dean's List

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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 r^2 score of 0.76
- Cleaned and manipulated datasets with thousands of rows of data for model training usage with Jupyter Notebook
- 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

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EXCEPTION TRACKING SYSTEM

Fall 2023

- Established a database system through Microsoft Access that maintained records of maintenance in a company
- Utilized SQL to form queries that retrieved relevant data from different datasets to generate forms and reports
- Designed a streamlined GUI for users to add, remove, access data

AWARDS

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