

Ruifan Wang

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Education

University of Pennsylvania, Philadelphia, PA May 2023
Master of Science in Engineering in Computer and Information Science

Lehigh University, Bethlehem, PA May 2021
Bachelor of Science in Computer Science and Business GPA: 3.72

Technical Skills

Python, JavaScript, Java, C++, C, SQL, R, PowerShell, React, Postgres, Django, Azure, Perl

Professional Experience

Minerals Technologies Inc, Easton, PA August 2020 – April 2021
Information Technology Intern

- Created Perl Script to automate the process of encrypting financial files with PGP, downloading them locally and then uploading files to JP Morgan through SFTP
- Programmed in PowerShell to audit AD and OU Groups and output the user modifications
- Wrote python script for configuration template in order to achieve replacement automation
- Automated the process of Microsoft Office 365 employee termination with PowerShell

PRE, Electricity Company, Prague, Czech Republic May 2019 – June 2019
Data Analyst Intern

- Predicted the electricity price based on past data by implementing machine learning algorithms (LAD-LASSO and regression model using R) to project present needs and predict future demands

Project Experience

CITeams Hackathon Project | JavaScript, MongoDB, Slack Bolt January 2022

- Created a slack plug-in in a team of five that assists students in finding teammates for class projects by allowing them to create posts and automatically create channels for the team
- Awarded with most creative project in MCIT 2022 Winter Hackathon out of 60 participants

PennLobby | React, JavaScript, HTML, MongoDB, Heroku, Node.js August 2021 – December 2021

- Developed a single-page application using a full stack React.js and Node.js development tool that allow UPenn students to create groups, share posts, comment under posts as well as send private chat
- Designed prototypes for frontend using Figma, API endpoints using Swagger, and documented database design with entity-relationship diagrams on DB Diagram
- Created features such as authentication, group management, group filtering and sorting, and user profile management where users can change password or deactivate own account
- Reached a unit testing code coverage of 60% using Jest, performed integration test with Cypress, ensured standard coding style by linting with ESLint
- Implemented security measures such as account lock-out policy, utilized the JSON schema validator Ajv, and used environment files to keep sensitive information

Blackjack Website | JavaScript, HTML, CSS, MongoDB, Heroku, Node.js January 2021 – May 2021

- Developed a website with an interactive User Interface that allows users to play blackjack
- Enabled log in and sign-up functions where the sign-up shows users the validity of username or the password in real time through ajax
- Stored user's information such as email, username, hashed password in the forms of key value pair in MongoDB, both the database and the website are hosted on Heroku
- Used a poker REST API to implement and visualize the blackjack game logic

Career Fair APP | Python, Postgres, MSSQL, Django, Azure January 2020 – December 2020

- Developed a career fair Web App for Innovative Systems Inc in a team of 4, enabling applicants to register with their information and evaluators to rate the applicants
- Utilized Google Forms for applicants to register, and modify the google spreadsheet API to enable auto data upload from spreadsheet to the database
- Implemented Django for the evaluators' User Interface and the website framework
- Deployed the website and the Microsoft SQL Server database on Azure