

Ruifan Wang

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EDUCATION

University of Pennsylvania

Master of Science in Engineering in Computer and Information Science

Graduation: May 2023

GPA: 3.65

Lehigh University

Bachelor of Science in Computer Science and Business

Graduation: May 2021

GPA: 3.72

TECHNICAL SKILLS

Certification: Microsoft Certified: Azure Fundamentals

Languages/Tools: Python, Javascript, Java8, C++, Perl, C, SQL, PowerShell, React, Django, Power Automate, Azure

PROFESSIONAL EXPERIENCES

DevOps Engineer Intern

May 2022 – August 2022

Federal Home Loan Bank of Dallas

Dallas, TX

- Automated Production Deployment Plan (PDP) in Azure DevOps using Power Automate from Microsoft
- Saved 25% of the original workload and alleviated dependency between developers and the DevOps team
- Monitored and debugged the PDP automation flow throughout the Software Development Life Cycle
- Built and improved CI/CD pipelines for application delivery using Azure DevOps
- Developed a SQL Agent Job Orchestrator by utilizing Power Automate and creating procedures in SQL database, to establish dependencies between jobs, and achieve higher maneuver power for developers

Information Technology Intern

August 2020 – April 2021

Minerals Technologies Inc

Easton, PA

- Created Perl Script to automate the process of encrypting financial files with PGP, which included download to local machines and upload to JP Morgan through SFTP; used by 1000+ files / 3 month
- Automated employee termination in Microsoft Office 365 with PowerShell; improved 25% work efficiency for HRs during employee dismissal & resignation process

Data Analyst Intern

May 2019 – June 2019

PRE, Electricity Company

Prague, Czech Republic

- 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

Teaching Assistant & Research Assistant

January 2020 – May 2021

Lehigh University, Dept. of Computer Science and Engineering

Bethlehem, PA

- Integrated NUMASK, a lock-free concurrent skipped list data structure to SetBench with the implementation of memory reclamation technique
- Tutored 20+ students for Operating Systems and Data Structure & Algorithms courses on core concepts

PROJECT EXPERIENCES

CITeams Hackathon Project | JavaScript, MongoDB, Slack Bolt

January 2022

- Created a slack plug-in to assist students in finding teammates for class projects by allowing them to create posts and automatically create channels for teams
- Awarded with most creative project in MCIT 2022 Winter Hackathon (1 out of 60+ participants)

PennLobby | React, JavaScript, Express.js, Node.js, MongoDB

August 2021 – December 2021

- Developed a MERN-based single-page application for UPenn students to create groups, share posts, comment on posts, and send synchronous private chat
- Built responsive frontend using React and backend with Express.js & Node.js for user CRUD operation, authentication, group management, group filtering & sorting, and profile management

Career Fair App | Python, Postgres, MSSQL, Django, Azure

January 2020 – December 2020

- Developed a career fair web app for Innovative Systems Inc. to enable applicant registration
- Utilized the google spreadsheet API to enable auto data upload from spreadsheet to the database
- Implemented a candidate evaluator user interface for HRs with Django

Blackjack Website | JavaScript, HTML, CSS, Node.js, MongoDB, Heroku

January 2020 – December 2020

- Developed a blackjack web game with an interactive user interface
- Enabled log-in, sign-up, and real-time username & password validation through ajax