Jason Perez

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EDUCATION

Carnegie Mellon University   GPA: 3.54/4.0
Bachelor of Science in Information Systems, Minor in Computer Science   *Aug. 2020 – May 2024*

WORK EXPERIENCE

Cisco Systems   Digital Enterprise Solutions
Software Engineering Intern   *May 2023 – Aug 2023*
- Developed data ingestion monitoring framework that generates and sends reports to administrators
- Created Python program that measured data ingestion progress between Oracle and Snowflake databases
- Reduced time spent on manual queries and execution by 90%

Business Analyst Intern   *May 2022 – Aug 2022*
- Joined the supply chain department's Install Base and Entitlement Base teams
- Created archive procedure within Snowflake that reduced compute cost of data merge operations by up to 80%
- Developed archive framework that allows users to set up archive cycles for tables within Snowflake

Carnegie Mellon University   Computing Services
Technology Enhanced Facilities Manager   *Aug. 2022 – Present*
- Managed four employees by leading training sessions that led to improved work performance
- Facilitated use of computer labs by informing users of available features and troubleshooting issues with equipment

PROJECTS

Protect Penn-Trafford Impeachment Resource Database | *Ruby on Rails, SQL, CSS*   Jan. 2023 - May 2023
- Developed a web application for data entry and retrieval to facilitate building impeachment cases
- Collaborated with the organization's community advocate to define an entity relationship diagram for their data
- Designed and presented high fidelity wire frames to client based on requirements

Great Pittsburgh Baking Outlet | *Ruby on Rails, SQL, HTML*   Jan. 2022 - May 2022
- Designed and developed a prototype of an e-commerce web application as part of a course narrative
- Learned how to use the Model-View-Controller pattern to develop software applications
- Gained an understanding on how to use data analytics and visualizations to make smarter and informative applications

ACADEMIC ACHIEVEMENTS AND MEMBERSHIPS

MIT Online Science, Technology, and Engineering Community (MOSTEC) June 2019 – Dec. 2020
Student
- Completed Mobile App Development and Science Writing courses with a final project presented at MIT's campus
- Developed an app that kept track of medications with an easy to use interface for the elderly
- Learned the importance of making scientific information easily understood by the general public
- Wrote an article about AI in game development that was selected as one of the best articles from the program

Google Computer Science Summer Institute   July 2020 – Aug. 2020
Student
- 4-week introduction to CS with JavaScript, specifically the p5.js library, that culminated into "New Asteroids"
- Designed core game mechanics and programmed physics for "New Asteroids" video game project

TECHNOLOGY SKILLS

Programming Languages: Python, C, SML, SQL, HTML, CSS, Ruby
Applications: Git, Vim, VSCode, PyCharm, nginx
Databases: Postgres, MongoDB, MySQL
Hardware: Raspberry Pi 4, Raspberry Pi Pico
OS: Linux, Debian, Windows, Android