

BRANDON LUONG

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EDUCATION

Worcester Polytechnic Institute | Bachelor of Science in Computer Science with Distinction | GPA: 3.61 May 2024
Diversity, Equity, and Inclusion Committee | Sigma Pi Fraternity, Gamma Iota Chapter (2022-2024)
Vietnamese Student Association Events Coordinator | (2022-2023)
Society of Asian Scientists and Engineers | (2020-2024)

SKILLS

- **Programming Languages:** Java, Python, SQL, PowerShell, HTML/CSS, JavaScript, Racket
- **Skills and Interests:** Tanium, Git, Microsoft Office (Excel, PowerPoint, Word), Figma, Tableau, asset-based leadership, asset mapping, project management, project proposals, diversity equity & inclusion (DEI), sustainability advocate
- **Relevant Coursework:** Software Engineering, Algorithms, Database Systems I, Operating Systems, Human-Computer Interaction, Data Mining, Intro to Artificial Intelligence, Machine Learning, Object-Oriented Analysis and Design

WORK EXPERIENCE

Enterprise Systems Management Infrastructure Intern | United Parcel Service | Remote June 2023 - Present

- Managed data from over 250,000 company devices and servers to effectively track agent health, monitor threats, and provide data insights using Tanium software
- Developed and implemented scripts and automation tools to streamline repetitive tasks, improve efficiency, and enhance system management processes using PowerShell, SQL, and APIs
- Collaborated with application teams for agent upgrades, troubleshooting performance issues, and creating audits

Shift Leader | Gong Cha | West Hartford, CT June 2022 - Aug. 2023

- Operated a point-of-service system to serve more than 100 daily customers and finalized an average \$2580.71 daily sales
- Supervised a team of 10 employees to maintain a high work and production standard by monitoring efficiency, delegating tasks, and scheduling meetings to instruct employees on daily operating procedures

PROJECTS

Identifying Sustainability Issues through Data Exploration | Worcester Polytechnic Institute Aug. 2023 - May 2024

- Conducted data cleaning and transformation on EPA and WPI datasets using Python to assess and measure the effectiveness of sustainability initiatives
- Developed a website from scratch to improve accessibility to collected data using HTML/CSS and hosted on GitHub
- Utilized Tableau for data visualization to facilitate data-driven decision-making in sustainability initiatives

Package Optimizer for Personal Vehicle Deliveries | UPS Hackathon | Parsippany, NJ July 2023

- Awarded 3rd place prize by Google judges for solving a business challenge using Google Cloud and Google OR-Tools
- Developed a Python program to optimally allocate vehicle space given a list of vehicle data and package sizes
- Designed an intuitive front-end interface to effectively visualize the real-world application and convey the project vision

Mass General Brigham Hospital Service Application | Brigham & Women's Hospital Mar. 2023 - May 2023

- Presented a robust service application to hospital representatives that consisted of a pathfinding feature, integrated service request modules, and various delighter features such as synchronized map editing
- Worked with a team of 10 students as a backend software engineer to apply Agile development methodologies and software design patterns using Java, JavaFX, and PostgreSQL
- Applied test-driven development strategies to maintain over 90% code coverage using JUnit5

Smart Cultural Precinct Mobile App Proposal | Institute for Sustainable Urbanisation | Hong Kong Oct. 2022 - Mar. 2023

- Coordinated meetings with project sponsors and government subsidiaries to propose a mobile application for the Smart Cultural Precinct aimed towards the preservation of cultural heritage and local businesses
- Designed an app prototype using Figma to present at developer consultations, community workshops, and user testing seminars