Jay Xu

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EDUCATION

University at Buffalo – The State University of New York, GPA: 3.3/4.0   **August 2020 – May 2024**

Bachelor of Science in Computer Science

- Relevant Coursework: Algorithms for Modern Computing Systems, Intro to Microprocessors, Software Project Management, Software Engineering, Data Structures, Algorithms, Computer Organization, Systems Programming
- Certificate | Codepath Intermediate Web Development   **September 2023 – November 2023**
- Certificate | Certification in Data Structures & Algorithms   **July 2022 – August 2022**

EXPERIENCE

IT Intern, NYC Health + Hospitals: Woodhull   **July 2023 – August 2023**

Brooklyn, NY

- Provided technical support to 10+ departments by troubleshooting computers, printers, and other medical kiosks.
- Configured 200+ network devices using SCCM via Task Sequence or PXE boot so staff had quicker access to devices.
- Supervised 50+ laptops using Trellix ePolicy Orchestrator-Preboot Encryption updates so users can easily reset accounts.

Data Entry Intern, Kumon   **July 2021 – August 2021**

Staten Island, NY

- Recorded coursework data quickly and efficiently allowing ease of access for 10+ tutors and classroom preparation.
- Coached 50+ students enabling 80% of participants to achieve higher scores in subsequent evaluations and assessments.
- Composed 2 months of daily lesson plans to guide students ensuring progress with their classwork and assignments.

PROJECTS

Theta Tau Chapter Website   **September 2023 – Present**

MongoDB, ExpressJS, ReactJS, NodeJS | Website

- Managed a team of 5 to construct a school organizational website to showcase its 50+ members and hundreds of alumni.
- Designed 5+ responsive web pages and their overall layout providing an enjoyable user experience on any device.
- Fabricated 20+ intuitive components for each page, which produced simple and prompt operations for the daily user.

File Organizer   **December 2023 – January 2024**

Python | Github

- Developed efficient and user-friendly file organizing software, which streamlined the sorting of over 1000 files.
- Engineered a GUI using the Tkinter library, which facilitated secure deletion, renaming, and moving capabilities.
- Validated thoroughly for compatibility across Windows, Mac, and Linux devices, ensuring usability across platforms.

United States Breweries   **September 2023 – November 2023**

ReactJS | Website

- Constructed a site that utilized API data to showcase U.S. breweries with statistical and graphical visuals using datasets.
- Launched a comprehensive data filtering feature enabling users to explore 50 breweries by name, city, and state.
- Enhanced user interaction with React Router for seamless navigation between summary and detailed brewery views.

SKILLS

Programming: Python, C, Java, NextJS, Tailwind CSS, Typescript, ReactJS, React Native, ExpressJS, NodeJS, Scala, HTML, CSS, JavaScript, PHP, SQL, Matlab

Technology: Git, Linux, Unix, Vercel, MongoDB, Supabase, phpMyAdmin, Postman, Render, Trello, Zenhub, Figma

LEADERSHIP EXPERIENCE

- Treasurer and Head of Construction | Theta Tau   **September 2022 – December 2023**
- Treasurer | Society of Asian Scientists and Engineers   **September 2021 – May 2022**