

Jessi Wu

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EDUCATION

State University of New York, University at Buffalo, GPA: 3.65

May 2022

Bachelor of Science in Computer Science

- **Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Systems Programming, Computer Organization, Distributed Systems, Applied Human-Computer Interaction & Interface Design, Web Applications

COOP Careers - Data Analytics Apprenticeship

Jun 2023

SKILLS & TECHNICAL TOOLS

- **Programming Languages:** Python, JavaScript, HTML/CSS, SQL, Java
- **Other Technologies:** IntelliJ, Zenhub, Figma, Trello, Git, Eclipse, Android Studio, Docker, React, Flask
- **Data Analytics Software:** Excel, Google Sheets, Tableau

PROJECTS

NYC Eviction Rates Analysis | Tech Stack: *Tableau, Python*

Apr 2023

- Analyzed 70k+ NYC evictions from 2017 to 2022 in a team of 4 to develop equitable housing policies for 8.5mil+ New Yorkers
- Cleaned 7k+ entries in Python Colab of erroneous and error values to coordinate data integrity and consistency for visualizing accurate representation of housing evictions
- Visualized evictions in Tableau by borough to track yearly eviction trends, and the distribution of evictions by borough and year in relation to in-depth research on socioeconomic factors of housing

Pyraft | Tech Stack: *Python, Docker*

Mar 2022 - May 2022

- Implemented Raft consensus algorithm in Python with leader election, log replication, and election timeouts to ensure system fault tolerance in the event of nodes failing within a distributed computing system
- Launched 5 Docker containers from an Alpine version 3.14 image to emulate a distributed system and consensus among nodes

Curator | Tech Stack: *React, Figma*

Feb 2021 - May 2021

- Partnered with 3 other students to design and develop a user-friendly React music application for users to discover, share, and discuss a variety of songs; created a low-fidelity prototype in Figma
- Integrated Spotify API with a client ID and client secret from a Spotify Developer account with predefined API endpoints from the Swagger framework to enable features like creating posts and friending users
- Conducted usability tests and A/B tests to gather feedback from users to refine the design and functionality of the application

Best Study | Tech Stack: *Java, Android Studio, MySQL*

Aug 2020 - Dec 2020

- Created Java planner app in Android Studio with 4 developers for college students to save Zoom links for class meetings, add to-do tasks, schedule reminders, and calculate their grades
- Built frontend of the application using Java and the backend using MySQL for storing and retrieving data
- Followed the Agile methodology that consisted of weekly meetings, 4 bi-weekly sprints, and utilized Zenhub project management tool to manage productivity tasks and the overall quality of the project

EXPERIENCE

University at Buffalo

Buffalo, NY

Student Assistant

Sep 2021 - May 2022

- Facilitated 100+ daily student admission within the University at Buffalo Academic Success Centers for access to computers and tutoring services for studying
- Provided students with resources and information on how to improve their academic performance and helped an average of 20 students schedule tutoring sessions each week
- Maintained and serviced 3 printer workstations, ensuring optimal performance and minimizing downtime, so that students and staff could complete their tasks without experiencing any delays or technical difficulties

Cultured Kids Cuisine

New York, NY

Creative Design Intern

Jul 2021 - Aug 2021

- Developed 3 new weekly graphic designs in Autodesk SketchBook for Cultured Kids Cuisine's eCookbook, to engage families and teach them about diverse international cultures, customs, and food traditions
- Generated tasks while monitoring 2 projects, merchandise and the eCookbook, to ensure the development milestones were met for the design team of 15 people
- Collaborated with a 50-person Outreach Team in connecting with 50+ weekly potential schools and moms to increase awareness of the organization's goals of cultural appreciation and healthy nutrition