Yaoyi (Betty) Wang

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GitHub | LinkedIn | Portfolio

EDUCATION

Northeastern University	**MS** Computer Science	*Sep 2023 - Present*

Core Courses: Intensive Foundation of Computer Science, Discrete Structures, Data Structures and Algorithms, Object-Oriented Design, Web Development

Beijing University of Technology	**BA** English Language and Literature (**Minor** in Finance)	*Sep 2019 - Jul 2023*

SKILLS

Programming Language: Python, Java, C, Javascript

Web Development: HTML, CSS, jQuery, Node.js, Express.js, React, Web APIs

Data & Database: MySQL, MongoDB, Firebase

Tools & Workflow: Git and Github, Google Auth, Markdown, Vim, Command Line

PROJECTS

Full-Stack Development: Podstream (Personal)   *Jan 2024 - Present*

- Spearheaded the development of Podstream, a full-stack web application for podcast streaming, using **React**, **Node.js**, and **MongoDB**
- Integrated **Google Auth** and **Firebase** for secure user authentication, search functionality, and content management via an admin panel
- Contributed to the **front-end and back-end** development, ensuring a user-centric design and seamless server interactions.
- Deployed the application on **Netlify**, leading to an intuitive platform for users to engage with their favorite podcasts

Front-end Development: Portfolio (Personal)   *Jan 2024*

- Built a personal portfolio website with **React**, **Node.js & Express.js** (App Router & Server Actions), **Javascript**, and styled it with **CSS3**, and hosted on **Vercel**.

Streamlit Development: Cosmic Explorer (Academic)   *Nov 2023*

- Designed and developed Cosmic Explorer, a **Python**-based **Streamlit** application for visualizing NASA's astronomical data following MVC architecture and best coding practices.
- Integrated multiple NASA **REST APIs** to retrieve and showcase Astronomy Picture of the Day (APOD), Earth imagery, and natural event data, enhancing space exploration engagement.
- Implemented **Unit Tests** to ensure the reliability of data models and API interactions. Additionally, developed a feature for daily astronomy picture display using efficient JSON parsing techniques for nested data extraction.

WORK EXPERIENCE

Overseas Operations Specialist (Freelance) - Voyager Global   *(Hybrid) Apr 2023 - Present*

- Contacted 10-15 sci-fi bloggers and famous tech influencer in Europe and the US through the community operation
- Severed as one of the project executives, securing agreements with renowned science fiction professionals for content production, and finalization of the sci-fi demo, and facilitating its publication to promote *The SciFIdea Award Contest*

Seasonal Sales Associate Consultant - Swarovski   *Nov - Dec 2023*

- Delivered customer service by assisting customers with purchases, inquiries, and handling returns
- Participated in visual merchandising efforts, maintaining an attractive store presentation

21 Fall Teaching Assistant - DDC Academy   *Aug - Sep 2021*

- Recorded students' attendance and performance in class before and during the course, provided feedback after each course
- Served as a video editor for course archiving