Hong Wei Chen

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Brooklyn, NY

EDUCATION:

Stony Brook University – Stony Brook, New York   **Expected Graduation: May 2024**
Bachelor of Science in Computer Science
GPA: 3.73/4.0

SKILLS:

- Java | JavaScript | Node | MySQL | Express | React | MongoDB | TypeScript | HTML | CSS | Git | Python | C
- Bootstrap | MUI | Langchain | Vertex AI | Open AI | LlamaIndex | Azure | AWS | Jest | Unit Testing | CI/CD
- Frontend | Backend | Full-Stack | OOP | NLP | Generative AI | LLM | Bilingual in English and Chinese

EXPERIENCE:

Publicis Sapient, New York, NY   **Software Engineer Intern**   **June 2023 – August 2023**
Full-Stack Development with AI Capabilities

- Designed and implemented an AI chatbot web app in 7 weeks for a major automaker to enhance customer engagement and support.
- Enabled the chatbot to handle various tasks, including answering any user inquiries, assisting with car selection, providing maintenance support to existing customers, and facilitating test drive scheduling and communication with dealerships.
- Integrated a custom knowledge base generative A.I. using Vertex AI, Langchain, and a MySQL database
- Leveraged technologies such as React.js, Python, Flask, Vertex AI, Bootstrap, MUI, MySQL, Firebase, Git, HTML, and CSS in full-stack development to create a responsive and user-friendly application

Teamwork and Communication

- Collaborated effectively in a dynamic team of 6 SWEs and 2 PMs, and participated in daily scrum meetings to ensure seamless communication and proactively address roadblocks

Code Refactoring and Performance Optimization

- Improved the performance and usability of the app by actively searching for bugs and solving them promptly, optimizing certain functionalities to be 2x faster.
- Actively refactored the codebase to promote code readability and ensure best practices, successfully reducing certain file lengths by over 50%.

S.S.D. Construction, Brooklyn, NY   **Office Assistant**   **May 2021 – August 2021**

- Organized and tracked the progress of 20+ concurrent construction jobs
- Analyzed architectural drawings and ordered high-volume construction parts for construction jobs
- Communicated with clients and suppliers to ensure positive customer experience, and updated progress with manager
- Performed various administrative tasks

PROJECTS/RESEARCH:

Stack Overflow Clone (MERN stack)   **Designer/Programmer**   **March 2022 - May 2022**

- A website for people to ask and answer questions. Users have the ability to vote, comment, and manage their reputation to answer and ask new questions or create new tags.
- Developed using React, MongoDB, Node, and Express
- Implemented component-based design, user-authentication using JWT, REST API

MissCounter App (Java)   **Designer/Programmer**   **June 2020 - August 2020**

- Self-taught Android Studio and Android app development
- Designed and developed an Android app for long distance relationship couples to share love with each other
- Managed data storage and organized the app to be intuitive and look modernized

APCSA Review Website (HTML/CSS/JavaScript)   **Designer/Programmer**   **November 2019 – December 2019**

- Designed and deployed a review website for APCSA students to study for their exam
- Organized and reviewed study material for over 8 topics to be placed on the website

NYCSEF Research at Brooklyn College Physics Lab   **Research Assistant**   **February 2016 – August 2018**

- Conducted experiments on Aluminum-Sulfur battery and participated in NYCSEF and other competitions
- Analyzed battery performance, performed data entry, and creating graphical analysis and presentations
- Designed multi-layered apparatus for testing battery under different conditions

ACTIVITIES/AWARDS:

- Stony Brook Presidential Scholarship   Receiver   September 2020 – Present
- Dean's List   Receiver   September 2020 – Present