JASON CHEN

301-388-3012 | jc121w@gmail.com | Washington, D.C. | Portfolio

SKILLS

Languages: Java | Python | Typescript | JavaScript | C | SQL | PHP | Ruby | Ocaml | HTML

Frameworks / Technologies: Next.js | Tailwind | Git | Prisma | REST Services

Databases: MySQL | MongoDB | PostgreSQL

PROJECTS

My-Cook-Book, *Full Stack Application*
- Developed a dynamic **full-stack** recipe finder and builder app using **Typescript**, **Next.js**, and **Tailwind** enabling users to create recipes, search, and delete recipes within an aesthetic interface
- Implemented robust backend services using **NextAuth.js**, **PostgreSQL**, **Prisma**, **TanStack Query**, and **Axios** to handle data management, **authentication**, **API** calls, and scalability, adding a layer of personalization and security to the app
- Designed an in-depth filter system for users to filter recipes by difficulty, price, and nutrients, enabling a smooth user and meal plan design experience

Flutter App, *BookWorm*
- Spearheaded and collaborated on the concept and design of *BookWorm*, an intuitive book organizer **Flutter mobile application** that enhances the reading experience by allowing users to record, organize, and reflect on their readings
- Integrated a range of functionalities, such as note-taking, word definition lookups, and personalized libraries, all wrapped in an aesthetic and user-friendly interface

Introduction to Computer Systems, *Nelovo Filesystem Project*
- Engineered a simulated file system in C using dynamic memory allocation and deallocation
- Designed a linked list data structure to efficiently manage file creation, deletion, and movement

WORK EXPERIENCE

Hailbytes, *Intern*   June 2023 – August 2023
- Utilized **WordPress** and **SEO Copywriting** to create dozens of articles that garnered hundreds of views on the company website
- Analyzed and implemented WordPress plugins that significantly reduced website content load time from 2.5s to 950 ms, raising Hailbytes's GTmetrix rating from B to A

New Orient Buffet & Grill, *Shift Leader*   May 2020 – August 2022
- Led a team of 6 employees and served as shift leader during work hours to all employees
- Greeted customers and managed customer requests to improve communication and collaboration skills and develop key crisis-management techniques, improving the restaurant rating from 3.5 to 4 stars

EDUCATION & AWARDS

University of Maryland, College Park   Graduated: May 2024

College of Computer, Mathematical, and Natural Sciences | Bachelor of Science, Computer Science

Relevant Coursework: Object-Oriented Programming I & II | Data Structures & Algorithms | Advanced Data Structures | Programming Handheld Systems | Database Design | Intro to Artificial Intelligence | Computer & Network Security
Dean's List | Object-Oriented Programming | Data Structures & Algorithms | Full Stack Development

ACTIVITIES

Chinese Student Association, *Mentor*   August 2021– Present
- Mentored 2 underclassmen in the club's Big-Little program, providing advice and support to new students
- Organized monthly events with mentees to develop key relationships with other members of the community