

Darren Zheng

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EDUCATION

University of Maryland-College Park, College Park, MD

2022-Present

Bachelor of Science in Computer Science, Minor in General Business

GPA: 3.8

Relevant Coursework: Web App Development, Parallel Computing & HPC, Data Science, Computer Systems, Object Oriented Programming, Data Structures & Algorithms

Extracurricular: CRLA Peer Mentor Certified, Chinese Student Association's Historian

PROJECTS

Professional Website

December 2024

- Designed and developed a dynamic, interactive portfolio website to showcase skills and experience
- Utilized TypeScript for functionality, Tailwind CSS for responsive design, and Figma for visual prototyping
- Leveraged React and its component-based architecture for efficient state management and modular organization of the web application

Pokemon Gacha

December 2024

- Designed and developed an interactive Pokémon Gacha Simulator website featuring real-time data from PokéAPI
- Integrated a MongoDB database to manage user accounts and enhance organization
- Deployed the platform using Node.js to handle backend logic and host dynamic web pages efficiently

Terrapin Wars

May 2024

- Developed an interactive geographical capture-the-flag game using the Google Maps API to reward players for visiting college landmarks, promoting real-world discovery and interaction
- Designed the backend with Firebase to manage player account data, collect game statistics, analyze popular congregation spots and travel times, and optimize landmark placement
- Created a dynamic user interface featuring a live-updating leaderboard and a responsive design using Flutter

SAC Datathon-NBA Proposal

March 2024

- Developed a linear regression model to analyze over 10,000 real world records in order to determine ideal locations to form new NBA teams based on real world data for Deloitte's Datathon competition
- Utilized Pandas and Scikit-Learn to perform exploratory data analysis to perform feature extraction to identify key important factors such as fan base data, reducing computation time of the regression model by over 80%

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, HTML, CSS, R, MATLAB, TypeScript, Ocaml, Assembly, Dart, Rust

Frameworks: React, Node.js, Flutter

Developer Tools: Git, Microsoft Apps, Pandas, SQL

EXPERIENCE

Historian

May 2024 – Present

UMCP Chinese Student Association

College Park, MD

- Developed and maintained a website using HTML and CSS to promote the organization's activities
- Captured, edited, and curated photos and videos to advertise the organization's events
- Collaborated with like-minded individuals to plan and celebrate Chinese culture

Community Assistant

August 2022 – Present

University of Maryland

College Park, MD

- Collected, organized, and distributed packages and keys for student residents
- Maintained a positive representation of the university
- Provided assistance to students, residential life staff, parents, and package carriers
- Acted as a reliable liaison between 300 residents and the school's residential department

Waiter

June 2022 – August 2022

Tasty Crab House

Warner Robins, GA

- Received and processed customer orders for both in-person dining and delivery
- Greeted and seated dine-in customers, ensuring they were satisfied with their experience
- Maintained organization by efficiently assigning tables to waitstaff