

Bernie Zhong

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Education

University of Maryland, College Park

College Park, MD

Bachelor of Science, Information Science

May 2021

- Information Science: Introduction to Information Science, Databases, Web Development Bootcamp, Object Oriented Programming, Statistics, Dynamic Web Application, Database Design and Modeling, Data Sources and Manipulation
- Computer Science: Introduction to Python, Intermediate Python, Introduction to Probability Theory, Linear Algebra

Tech Stack

Programming Languages: HTML/CSS | JavaScript | TypeScript | Python | SQL

Technologies: Node.js | Express | Docker | MongoDB | Ajax | React | Angular | Pandas | Matplotlib

Experience

Capital One Developer Academy

Capital One, VA

CODA Instructor

Sept 2021-Current

- Enhanced instructional material to match features and functions to the learning needs of over 100 students, to create a comfortable learning environment with JavaScript, Node.js, Docker, and Angular
- Instructed guidance to a group of developers to monitor the overall success of the CODA curriculum, while providing one on one support to aid any additional support on Full stack web applications

AERT Website Development

College Park, MD

Front End Developer

Jan 2021-May 2021

- Designed and programmed a website for the Atmospheric Electricity Research and Training (AERT) using HTML, CSS, JavaScript, and Google Map Platform APIs to read fetch and display lightning data
- Planned weekly client meetings to discuss the design and interface of the website, and any improvements needed to develop a functional and asthenic website

UMD Web Development

College Park, MD

Academic Peer Mentoring

Jan 2021-May 2021

- Managed a team of web developers and improved their HTML, CSS, and JavaScript skills while answering any technical issues or misunderstanding of code
- Improved course content to help students better understand full-stack web development, and implementations of code demos, resulting in a 70% increase of grade point averages compared to previous semesters

Projects

Netflix Clone

Netflix

- Utilized React.js to recreate the Netflix homepage using the Firebase platform to display our web application
- Incorporated API calls from TMDB (The Movie Database) to display recent Netflix shows and movies with clickable trailers

Personal Portfolio

Portfolio

- Programmed a personal portfolio to showcase my work experience, projects, and contact information using HTML, CSS, and JavaScript
- Implemented a full-stack web app using HTML, CSS, and JavaScript to highlight my personal interests, along with additional information about my career path

UMD Schedule Search

UMD Schedule Builder Review

- Programmed a web page using the API from UMD.io and PlanetTerp to compile reviews of professors, and course descriptions to allow students a better understanding of what to expect throughout the course
- Implemented the programming using HTML, CSS, and JavaScript to create an all-in-one website compared to having PlanetTerp along with UMD's database open

Certificates

Web Development Project Certificate 2021:

Apr 2021

- Emerge Simon Fraser University