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, 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, Object Oriented Programming

Tech Stack

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

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

Experience

Peraton   *Arlington, VA*
Cyber Software Engineer   *June 2022-Current*
- Thread field. Implement and deploy enterprise web-based development projects that include PHP, and React while supporting clients counter
- Engineered, maintained and repaired security changes and data backups to ensure software applications are loaded and tested property

Capital One Developer Academy   *Capital One, VA*
CODA Instructor   Sept *2021-Mar 2022*
- Enhanced instructional material to accommodate the learning needs of over 100 students
- Taught JavaScript, Node.js, Docker, and Angular while facilitating a comfortable learning environment
- Instructed a group of 10 software engineering students and provided one on one support to aid their development of 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, and implemented improvements as needed to produce a functional and aesthetic website

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 full stack web application to showcase my work experience, projects, and contact information using HTML, CSS, and JavaScript

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 in their courses
- Used HTML, CSS, and JavaScript to create an all in one website merging the once separate PlanetTerp and UMD.io applications

Certificates

Web Development Project Certificate 2021:   *Apr 2021*
- Emerge Simon Fraser University