

# Bernie Zhong

240-342-9063 | [berniezhong@gmail.com](mailto:berniezhong@gmail.com) | [linkedin.com/berniezhong](https://www.linkedin.com/in/berniezhong) | <https://berniez88.github.io/portfolio/>

## Education

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### 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

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

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

## Experience

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### 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 aesthetic 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 earlier semesters

## Projects

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### 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

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### Web Development Project Certificate 2021:

Apr 2021

- Emerge Simon Fraser University