Jenny Chang

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EDUCATION

Bachelor of Science, Computer Science, University of Maryland, College Park

- *Relevant Coursework:* Object-Oriented Programming, Intro to Computer Systems, Intro to UI/UX Design, Algorithms, Web Application Development, Intro to AI, Data Science, Advanced Data Structures, Computer & Network Security, Android App Development.

EXPERIENCE

Instructional Advisor, Girls Who Code Self Paced Program June 2023 - December 2023

- Co-advised and taught over 400 students through curricula in Web Development (HTML / CSS / JS), CyberSecurity (Python), and Data Science (Python).
- Proficiently debugged and troubleshot code issues, offering precise solutions during synchronous Zoom sessions and asynchronous online platforms.
- Developed interactive learning strategies and resources, enhancing student engagement and knowledge retention.

Website Assistant, University of Maryland May 2021 - August 2021

- Responsible for migrating content from the previous UMD Chemistry website to the new site while improving user interface and user experience.
- Utilized principles of design and user centered design to improve user experience on the new website.

PROJECTS

Movie Success Prediction Model | Python, Pandas, NLTK, Scikit-learn December 2023

- Developed a machine learning model to predict movie success using various features such as budget, promotional spending, runtime, and reviews.
- Cleaned and preprocessed data, addressing outliers, and applying sentiment analysis on reviews with NLTK's VADER sentiment analyzer.
- Adjusted financial data for inflation and created new features for improved model performance.
- Achieved 81% accuracy with a Random Forest classifier, identifying budget as the most significant feature.
- Created data visualizations about the relationship between budget, reviews, and movie success.

PokéPinion | HTML, CSS, JavaScript, Node.js. MongoDB May 2023

- Collaborated with a team to implement a web app that allows users to view & leave opinions on any Pokémon.
- Leveraged Node.js and MongoDB to handle server-side programming and database management to dynamically update the user interface based on user interactions.
- Utilized the "pokeapi.co" API to fetch comprehensive Pokémon data, enriching the user experience by providing detailed information on various Pokémon.

Regular Expression Engine | OCaml March 2023

- Implemented algorithms to convert between NFAs, DFAs, and regular expressions.
- Leveraged OCaml's powerful type system and functional programming features to write concise and type-safe code for pattern matching operations.