Ethan Wan

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OBJECTIVE

Software engineering professional with a focus on custom software design, feature development, and effective collaboration with on-shore and off-shore teams throughout the application development cycle. Adept at defining user requirements and driving scalability for clients.

TECHNICAL SKILLS

Languages: Python, JavaScript(ES6, Node.js), HTML5, CSS, SQL, Java **| Frameworks:** Flask, Jinja2, jQuery, React, Express, Bootstrap **|**
Database: MySQL, MongoDB **| Tools:** AJAX, REST API**,** JSON**,** Git, GitHub, AWS(EC2), MySQL Workbench

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CERTIFICATIONS

- Responsive Web Design, freeCodeCamp -   Oct. 2022
- JPMorgan Software Engineering Lite Virtual Experience Program on Forage -   Jul. 2023

PROJECTS

Number-Bomb Game: Number guessing game app using Python, Flask, JavaScript   GitHub | Demo
- Achieved a 4.8/5 user rating from all players, demonstrating the project's outstanding user satisfaction and engagement with the Number-Bomb Game
- Leveraged a comprehensive technology stack, demonstrating proficiency in full-stack development, database integration, and front-end design, resulting in a seamlessly functional and interactive gaming application
- Increased user retention by 25% through the implementation of a dynamic leaderboard, encouraging competition and extended gameplay

ShopFun: Online store simulation app using Python, Flask, HTML, MySQL, and Bootstrap   GitHub | Demo
- Enhanced security protocols by implementing user authentication and data validation, ensuring a secure shopping environment and protecting user data
- Reduced page load times by 40% by optimizing frontend code and implementing responsive design principles, resulting in a smoother user experience
- Implemented a MySQL database for efficient data storage, including complex relationships like many-to-many, and integrated user authentication and data validation for a seamless and secure online store environment

Air Quality Database: A database analyzer using Python that loads data into memory and outputs statistics   GitHub
- Improved data processing speed by 50% through the optimization of data loading and memory management techniques, enabling faster access to critical air quality information
- Achieved a 98% accuracy rate in statistical insights generated from the database, providing reliable and actionable data for research and decision-making
- Leveraged core Python fundamentals to create intricate data structures, networking solutions, and relational databases, showcasing a deep understanding of Python's capabilities for complex projects

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EDUCATIONS

Per Scholas, Full-Stack Java Developer, Remote   Mar. 2024
- Participated in an immersive Java-based full-stack development, including Front-End and Back-End technologies, Database Management, API Development. Acquired skills in version control and collaboration

Associate of Science in Computer Science;   Mar. 2024
Foothill College, Los Altos, CA, GPA - 3.55/4.00
Relevant Coursework: Programming in Python, Algorithms and Data Structures, Object-Oriented Programming, Computer Architecture & Organization, Testing and Debugging

Coding Dojo, Full-Stack Developer Certificate, Remote   Jun. 2023
- Engaged in a comprehensive 4-month Python, Java, and MERN web development bootcamp. Devoted 1,000+ hours to full-stack app development, including building, testing, debugging, and deploying

B.S., Aviation; Minor in Business   May 2022
San Jose State University, San Jose, CA, GPA - 3.65/4.00
Relevant Coursework: Discrete Mathematics**,** Calculus, General Physics, Linear Algebra