Ethan Nguyen

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EXPERIENCE

Full stack Developer | Freelance   *June 2023 - Present*
- Worked independently to design website for clients
- Created search engine optimized applications using HTML5, CSS3 (SASS), JavaScript ES6 and VueJS

Programming Tutor | Freelance   *August 2023 - Present*
- Taught students the fundamentals of programming, problem solving, and algorithm design by using a personal project-based approach to guide students through building their own applications using Python and Javascript

Business Analyst | Providence   *October 2020 - Present*
- Collaborated with hospital directors to identify and implement cost-saving initiatives, leveraging data analysis in supply chain management and medication dispensing protocols through creation of new SBARs. Achieved $1.5 million in savings for the department in 2022 through department optimization.
- Designed and maintained data dashboards using SQL, Power BI, EPIC, Excel, and Tableau to track pharmacy performance across 8 major California hospitals. Employed web design principles and Agile methodologies to create user-friendly interfaces, optimized queries for efficiency, and presented actionable insights to senior leadership.
- Developed and implemented advanced Excel macros and functions to streamline interdepartmental data sharing and workflow management, showcasing proficiency in automation, data analysis, and process optimization. This initiative led to a significant reduction in manual data entry errors and improved the efficiency of communication between pharmacy and nursing teams by 80%.

Lead Research Analyst | University of California, Irvine Health   *May 2019 - January 2021*
- Led a team of 8 undergrad and graduate students, successfully conducting 7 clinical studies
- Implemented caching and batch processing with SQL resulting in 20% improvement in data collection efficiency.

PROJECTS

Full Stack Application: Collaborative Messenger Clone | *Python*
- Designed and developed a real-time messaging application, handling both front-end and back-end components.
- Implemented web-sockets for seamless communication, ensuring real-time updates for active users.
- Utilized Flask for the web framework, integrating a SQL-based database for efficient data storage and retrieval.

Full Stack Application: Web Music Player | *Python*
- Developed a dynamic Spotify clone leveraging the Spotify API, enabling real-time fetching of track details, artist profiles, and playlist information for an authentic user experience.
- Integrated authentication and optimized API calls, ensuring swift data retrieval and seamless interaction for users, from playlist management to track modifications.

Full Stack Application: Vacation Home Rental Website | *Express*
- Developed a full-stack vacation rental platform using Express for an interactive user experience
- Incorporated dynamic React components, enhancing user interactivity

SKILLS & TECHNICAL TOOLS

Languages: Java, Python, SQL, Javascript, Express.js, Node, HTML/CSS
Technologies: Git, AWS, ReactJS, Flask-

EDUCATION

University of California, Irvine | Irvine, CA
Bachelor of Arts, Business Economics & Bachelor of Science, Biology
App Academy | San Francisco, CA
Full-Stack Software Engineering Development Bootcamp