Ethan Nguyen

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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

SKILLS & TECHNICAL TOOLS

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

EXPERIENCE

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.
- Designed a real-time tracker to detect and alert pharmacists of diversion by anesthesiologists, collaborating with doctors and nurses to ensure timely intervention.

Full Stack Developer | Property Manager | Turtle Synergy LLC *January 2020 - Present*
- Utilized React-Responsive and Material UI to ensure an intuitive and responsive user experience.
- Oversee and manage multiple rental properties across California and Nevada with a total portfolio of 7 million dollars.

Research Analyst | University of California, Irvine Health *May 2019 - January 2021*
- Conducted data collection and manipulation using SQL, aligning with the requirements of clinical studies related to Alzheimer's disease, and ensuring accuracy and efficiency in data handling.

PROJECTS

Collaborative Messenger Clone | *Python*
- Designed and developed a real-time messaging application, handling both front-end and back-end components.
- Implemented 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.
- Crafted RESTful APIs to streamline interactions between the application layers, enhancing the overall user experience.

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.

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 and resulting in a 20% increase in user session durations
- Streamlined data retrieval and UI rendering processes, resulting in a 30% improvement in page load times.