Kenny Tran

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EDUCATION

University of California, Santa Barbara   **October 2020–June 2024**
Bachelor of Science (B.S.) in Computer Science   Santa Barbara, CA

- College of Engineering Honors Program – **GPA: 3.58**
- UCSB Data Science Club, Gaucho Gaming Finance and Outreach Officer

Relevant Coursework: Data Structures and Algorithms, AI/ML, Web/Mobile Development, Distributed Databases, Computer Architecture, Operating Systems, Parallel Computing, Networking and Cybersecurity

WORK EXPERIENCE

Daesy Analytics & Trading, LLC   **May 2023–August 2023**
Data Engineer Intern   Remote

- Designed and developed a new database management system, **increasing efficiency by ~45%** through indexing and SQL query optimization, resulting in efficient and enhanced data retrieval
- Engineered data pipelines through statistical analysis of large-scale financial market data using Python
- Designed interactive data visualizations with Python (Matplotlib, Seaborn), enabling real-time insights and dynamic analysis of complex financial market patterns

PROJECT EXPERIENCE

Wave – Social Mobile App | Flutter, Dart, Google Firebase, Android/iOS

- Directed Agile team of four to develop a cross-platform mobile app allowing users to share open invitations to events utilizing Dart and Flutter
- Integrated OAuth and utilized Firestore Cloud Databases to optimize real-time data management of **100+ users**
- Performed regular code reviews of team code, identifying code smells and refactoring code where needed
- Distinguished by teaching team as one of the top projects of the course

Stock Brokerage Database Management System | Java, SQL, JDBC, Oracle Cloud

- Engineered DBMS for fictional brokerage, leveraging SQL queries on Oracle Cloud-based relational database
- Collaborated with partner to design database architecture and relations, ensuring compliance with Boyce-Codd Normal Form (BCNF)
- Optimized query performance, reducing **response time by 40%** and enhancing data security protocols
- Received exceptionally positive feedback from teaching team for system's reliability and responsiveness

Tweet Generating Discord Bot | Python, Heroku, Twitter API, Selenium, Pandas

- Implemented Python-based Twitter bot utilizing Markov chain model to generate tweets based on corpus of tweets from another Twitter account; deployed and hosted on Heroku
- Utilized by dozens of Discord communities at peak usage, reaching estimated **audience of 800+ users**

SKILLS

- **Languages:** C/C++, Python, Java, SQL, Dart, HTML/CSS, R
- **Frameworks**: React, Node.js, Django, Bootstrap, Flutter, JUnit
- **Developer Tools**: Git, Docker, Google Cloud, VSCode