

# Kenny Tran

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## EDUCATION

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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
- 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

## SKILLS

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- **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

## PROJECT EXPERIENCE

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

December 2023

- Directed Agile team of four to develop ‘Wave,’ a cross-platform mobile app allowing users to share open invitations to events, with the Flutter framework and Dart language
- 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 DBMS** | Java, SQL, JDBC, Oracle Cloud

November 2023

- 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

September 2021

- 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

## WORK EXPERIENCE

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Daesy Analytics & Trading, LLC

May 2021–August 2021

Data Engineer Intern

Remote

- Engineered efficient data pipelines through statistical analysis of financial instruments and market data
- Optimized database efficiency by ~45% by leading fellow interns within Agile team to extensively clean and normalize back-office data spreadsheets utilizing Python and SQL
- Designed compelling and insightful data visualizations highlighting intricate patterns in financial market data with Python (Matplotlib, Seaborn)