

# Jason Bui

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## Education

### University of California, Santa Barbara

*Bachelor of Science in Statistics & Data Science*

Expected June 2027

*Santa Barbara, California*

- **Activities and Societies:** Association for Computing Machinery, Data Science Club, Vietnamese Student Association, Gaucho Gaming (Event Coordinator), UCSB Powerlifting

## Experience

### R&B Tea USA

*Team Lead*

Sept 2023 – Aug 2024

*Garden Grove, California*

- Increased productivity and total store sales by 10% over 11 months through enhanced customer experience and team morale.
- Guided a team to manage service for 200+ customers per shift and received multiple detailed five-star reviews on Yelp.
- Planned and executed themed events such as Yelp Elite Influencer Party, Taylor Swift Eras Night, and New Year's Festive Ticket Scratcher Lottery, increasing foot traffic and social media engagement.

## Projects

### TFTStatChecker | *Python, TypeScript, SQL*

- Developed a cloud-deployed web application integrating the Riot Games API, enabling real-time data collection with a latency of under 500ms.
- Implemented algorithms to analyze over 1,000 item combinations and meta team compositions, identifying top-performing strategies with a 15% higher win rate on average.
- Built a statistical model using Python that predicted win rates with an accuracy of 85%, enabling users to optimize gameplay decisions effectively.
- Designed and maintained a SQL database to store and query over 10,000 matches, ensuring rapid retrieval of insights and trends.
- Utilized TypeScript to create an interactive user interface, increasing user engagement by 40% compared to static alternatives.

### Gambot | *Python, SQL*

- Designed and deployed a Discord bot to automate bet allocation calculations for multi-outcome sports events, leveraging probability theory and optimization techniques.
- Implemented an algorithm using Python to dynamically calculate optimal bet distributions, achieving a 20% reduction in risk and ensuring balanced payouts across all possible outcomes.
- Integrated the Discord API to enable real-time user interaction and seamless bet management, processing over 500 queries within the first month of deployment.
- Incorporated error-handling mechanisms and performance optimizations, reducing response times by 30% compared to the initial prototype.

### Personal Portfolio | *TypeScript, JavaScript, CSS*

- Designed and developed a responsive personal portfolio website to showcase projects, research, achievements, and hobbies.

## Technical Skills

**Languages:** Python, SQL, SAS, R, TypeScript, JavaScript

**Libraries:** Matplotlib, NumPy, Pandas, Sklearn, TensorFlow

**Frameworks:** Next.js, React, Node.js, Tailwind CSS

**Tools:** Vercel, Supabase, Git, Cursor, Discord API, Riot API