Jason Bui

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Education

University of California, Santa Barbara   Expected June 2027
Bachelor of Science in Statistics & Data Science   *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   Sept 2023 – Aug 2024
Team Lead   *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 full-stack analytical web application tool for Teamfight Tactics, 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.
- Created an interactive user interface with custom icons, 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 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*
- Designed and developed a responsive personal portfolio website to showcase projects, research, achievements, and hobbies.

Technical Skills

Languages: Python, TypeScript, SQL

Libraries: Matplotlib, NumPy, Pandas

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

Tools: Vercel, Supabase, Git, Cursor