

Brandon Lee

Data Analyst

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[LinkedIn](#) | [Portfolio](#)

EDUCATION & CERTIFICATIONS

San Jose State University, San Jose, United States - B.S., Data Science

Aug 2023 - Present

Relevant Courses: Big Data Processing, Data Structures, AI Foundations, Database Management, Linear Algebra

Google Data Analytics Specialization - Coursera

July 2025

SKILLS

Programming Languages: Python, SQL, R, Java, C++

Data Analysis Tools: Pandas, NumPy, Data Sanitization, Data Mining, PyTorch, Data Modeling

Operating Systems: Linux, Windows, MacOS, AWS

Other: Linear Algebra, Statistics, Machine Learning, Linear Regression

WORK EXPERIENCE

Hospital Management System, SJSU, San Jose, United States

Jan 2025 - May 2025

- Developed a comprehensive Hospital Management System using Java (Swing) and SQL, enabling real-time, secure access to patient data for doctors, patients, and administrators, and streamlining key hospital operations like appointment scheduling, prescriptions, and medical history tracking.
- Enhanced hospital efficiency and user experience by digitizing records and workflows, reducing paper waste and improving communication across roles, while collaborating in a team using Git and Agile methodologies to deliver a scalable, user-centric solution.

Data Scientist Intern, UBX World, Toronto, Canada

Aug 2024 - Oct 2024

- Processed and analyzed multi-gigabyte sports tournament datasets using Python, contributing to the development of a more accurate, data-driven player rating system.
- Developed a minimum spanning tree (MST)-based adjacency matrix to visualize and quantify player overlap across tournaments, enabling network analysis of player participation patterns.

Front Desk Analyst, Synergy Badminton Academy, Fremont, United States

Aug 2022 - Present

- Leveraged Google Sheets, SQL, and Python to analyze purchase trends and transaction data, driving inventory optimization strategies that improved operational efficiency by 20%.
- Developed automated scripts in Python and SQL to generate structured tags and item descriptions for Shopify products, enhancing metadata quality and boosting profit by 30% through improved product discoverability.

PROJECTS

Badminton Stringing Analysis – Personal Project

- Utilized Python and Jupyter Notebook to process and visualize performance data, transforming raw inputs into actionable insights and uncovering trends and anomalies.
- Applied data-driven analysis of equipment preferences and metrics to support optimized decision-making, combining practical knowledge with analytical expertise.

Data Analyst, eSports – SJSU Esports

- Analyzed competitive gameplay data to identify strategic patterns in operator picks, map usage, and tactics; delivered insights to inform planning and boost team performance.
- Processed and visualized match data using Google Sheets, supporting counter-strategy development and enhancing pre-match preparation through collaborative reporting.

ACTIVITIES

Match Control Coordinator, Synergy Badminton Academy, Fremont, CA

- Managed operations for the 2024 YONEX Synergy NorCal Open, overseeing match execution, court assignments, and live score reporting; maintained draws on TournamentSoftware for accurate scheduling and bracket visibility.