

Vincent To

Bakersfield, CA

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github.com/vincentto720 | vincentto.me

EDUCATION

California State University, Bakersfield

Bachelor of Science, Computer Science (GPA: 3.72)

Aug 2021 - May 2025

- **Achievements:** Cum Laude
- **Coursework:** Data Structures, Discrete Structures, Algorithm Analysis, Software Engineering, Advanced Database Systems, Operating Systems, Data Mining & Visualization, Intro to Data Science, Artificial Intelligence, Computer Networks, Linux Environment, Web Development, App Development

SKILLS

- **Programming Languages:** Python, C++, PHP, HTML, CSS, JavaScript, TypeScript, Tailwind CSS
- **Databases:** MySQL, SQLite, PostgreSQL, MariaDB, MongoDB
- **Developer Tools:** Visual Studio Code, Vim, Git, Linux, Windows, macOS, Nginx, AWS, Vite
- **Languages:** English, Cantonese
- **Certifications:** First Aid, CPR & AED, Wilderness and Remote First Aid

EXPERIENCE

California State University Bakersfield Student Recreational Center | Recreation Assistant

Feb 2024 - Jul 2025

- Served as Challenge Course Leader starting July 2024; Led and facilitated groups through high and low ropes course activities to promote teamwork, communication, and problem-solving skills.
- Served as Outdoor Adventure Trip Staff starting January 2025; Led and facilitated groups through various outdoor excursions in dynamic, fast-paced environments, ensuring safety and engagement.
- Provided customer service by answering inquiries, checking in members, and enforcing facility policies.
- Responded to emergencies, administered basic first aid, and documented incidents to management.

Adventist Health | Data Analyst Intern

Jul 2024 - Feb 2025

- Cleaned and processed large datasets, ensuring data quality and accuracy to facilitate meaningful analysis.
- Documented and maintained data processes for transparency and reproducibility.
- Validated data against codebooks, identifying discrepancies, trends and outliers.

PROJECTS

Personal Portfolio | vincentto.me

Dec 2025 - Dec 2025

- Developed a responsive portfolio web application using React, TypeScript, and Tailwind CSS with Vite.
- Deployed containerized application on AWS EC2 with Docker and Nginx.
- Integrated IAM for secure access control and SES for email functionality.
- Implemented CI/CD pipeline using Jenkins to automate testing, building, and deployment processes.

Visionary - IOS/Android App

Aug 2024 - May 2025

CSUB Senior Project

- Collaborated within a 5-person development team to design and implement a functional application; attended weekly meetings to ensure tasks were completed on time and project goals were met.
- Managed tight project schedules, prioritizing deliverables and coordinating progress among team members.
- Developed an advanced image recognition application leveraging Optical Character Recognition and Object-Relational Mapping to extract and analyze information from images in real time.
- Utilized Object-Relational Mapping to simplify database interactions by converting SQL queries into Python code, enhancing productivity, security, and database flexibility while enabling seamless integration with frameworks.

Walkmen - Web App

Feb 2023 - Apr 2025

CSUB Database Systems Final

- Developed a web application utilizing SpotifyAPI and O-Authentication for users to store Spotify songs.
- Managed and created prepared SQL queries in JavaScript to manipulate data returned from SpotifyAPI.
- Developed a functional UI in HTML, CSS, and PHP for users to view songs stored in the database.
- Achieved Fourth Normal Form by eliminating multivalued dependencies, enhancing data integrity and optimizing query performance.
- Leveraged cosine similarity to quantify relationships between user data sets, enabling personalized insights.
- Documented development process and findings in 39-page technical report with code examples and diagrams.

Neural Networks Classifier

Aug 2024 - Dec 2024

CSUB Programming Languages Final

- Developed a Neural Networks model to help predict a credit score.
- Processed data using Pandas DataFrame tables.
- Cleaned data using Forward and Backwards Fill.
- Yielded an accuracy 73% and a loss of 0.60, improving from an accuracy of ~62% and a loss of 0.82.
- Generated distance tables and heat maps for data visualization using graph visualization libraries.
- Prepared and presented Google Slideshow covering the approach, implementation, results in the form of visual graphs.