JONATHAN SHER

📍 Los Angeles, California ✉ jsher100@gmail.com 📱 (818)-826-9073 🔗 in/jonathan-sher/ ⚙ github.com/itsJonnie

EDUCATION

California State University - Northridge   **Los Angeles, CA**
Bachelor's, Computer Information Technology   Graduation Date: May 2026
- **GPA:** 3.82
- **Relevant Courses:** Data Structures & Algorithms, Deployment and Management of Operating Systems, CIT System Management, Business Data Networks and Cybersecurity, Database Management

The University of Sydney - Australia   **Sydney, Australia**
Bachelor's, Data Science   Years Attended: 2020 - 2022
- **Relevant Courses:** Foundations of Data Science, Informatics: Data & Computation, DATA2001 Data Science, Big Data and Data Variety, DATA2002 Data Analytics: Learning from Data, COMP2123 Data Structures and Algorithms, COMP3308 Introduction to Artificial Intelligence

LEADERSHIP EXPERIENCE

Microsoft   **Los Angeles, CA**
Microsoft Student Ambassador   *April 2025 - Present*
- Represented Microsoft by introducing students to AI, Azure, and Copilot tools through peer events in collaboration with other clubs on campus.
- Co-hosted events with student organizations, reaching over 100 students across in-person and online workshops.

CSUN Associated Students (Student Government)   **Los Angeles, CA**
Senator College of Engineering & Computer Science   *August 2024 - December 2024*
- Elected representative for the College of Engineering & Computer Science; advocated for student needs and advanced resource-driven initiatives by collaborating with organizations such as ACM, SOSE, and SDC to enhance the academic experience for engineering majors.

CSUN Associated Students (Student Government)   **Los Angeles, CA**
Lower Division Senator   *August 2023 - May 2024*
- Represented ~17,000 lower-division students by advocating their needs to university leadership; led policy initiatives through Internal Affairs and Communications Committees and advised the Enrollment Management Council (EMC) on strategies to improve academic access, resource allocation, and campus engagement.

PROJECTS & EXTRACURRICULAR ACTIVITIES

BCG Strategy Consulting Job Simulation on Forage   *July 2025*
- Assessed the viability of installment financing for BeyondTech, a fictional global telecom leader, by benchmarking 4 competitors and identifying a potential 8–12% revenue uplift tied to improved customer acquisition and retention metrics.
- Synthesized market data and customer sentiment analysis into 3 strategic recommendations, modeled potential scenarios across 12–24 month financing terms.
- Crafted a partner-level strategy deck articulating trade-offs, ROI projections, and go-to-market considerations—modeled after real BCG deliverables to simulate client-facing output under ambiguity and time pressure.

Movie Recommendation System – Collaborative Filtering   *April 2025 - June 2025*
- Built a recommendation engine using K-Nearest Neighbors (KNN) to deliver personalized movie suggestions; trained on the MovieLens 100k dataset.
- Engineered features and preprocessed data with Pandas and NumPy to improve similarity scoring and runtime efficiency by ~30%.
- Visualized user behavior patterns with SQL and Matplotlib, uncovering top genres and user clustering trends to inform recommendation logic.

Emoji Maker – Web-Based & AI-Integrated Emoji Customization Tool   *February 2024 - March 2024*
- Architected a full-stack generative tool enabling users to create and export custom emojis via Stable Diffusion XL, integrating Replicate's API into a modular, web-based design interface.
- Leveraged generative AI to translate text prompts (e.g., "dog in sunglasses") into original emoji art, fine-tuning the SDXL inference flow and SVG rendering to deliver stable, visually consistent outputs.

SKILLS

Programming Languages: Python, R, SQL, Java, JavaScript, TypeScript, HTML/CSS

Data & AI: Pandas, NumPy, scikit-learn, Matplotlib, Stable Diffusion, Tensorflow, Replicate API, Jupyter, Google Colab

Certifications: Andrew Ng's Machine Learning Specialization (Coursera), Learning AI Through Visualization (Columbia Plus), Data Scientist with R (DataCamp), SQL Fundamentals (DataCamp)

Tools & Cloud: Git, GitHub, Postgres, MySQL, AWS (EC2, S3), Next.js, SVG optimization

Soft Skills: Leadership, Teamwork, Communication, Cross-functional teamwork, Time Management