CALEB DICKSON

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Education

San Diego State University   **May 2027**
Bachelor of Science in Computer Science; Minor in Mathematics   *San Diego, CA*

Relevant Coursework

- Data Structures
- Adv Programming Langs
- Software Systems
- Statistics
- Artificial Intelligence
- Object-Oriented Prog.
- Computer Organization
- Linear Algebra

Experience

Anote   **Aug 2025 – Present**
Machine Learning Intern   *Remote*

- Designed and implemented a synthetic image data generation pipeline to create high quality, labeled datasets and metadata for computer vision, supporting COCO and YOLO formats and automating ML workflows.
- Applied deep learning techniques (GANs, DALLE) and robust validation methods to enhance data reliability and accuracy, enabling customization prompt-to-dataset exports with built in quality control.
- Collaborated with cross-functional team of 4 AI fellows and received guidance from industry experts and project managers to iterate on technical designs and delivery.

Break Through Tech   **May 2025 – Present**
AI/ML Fellow   *Remote*

- Designed and implemented full ML pipelines including data processing, feature engineering, model selection, hyperparameter tuning, and evaluation using Python, scikit-learn, and Pandas.
- Developed and deployed machine learning solutions in collaborative teams, applying techniques such as regression, classification, and NLP to practical datasets, presenting results to technical mentors and peers.

Voodies   **Dec 2024 – May 2025**
Front End Lead / Full stack Software Engineer   *Remote*

- Led the redesign and engineering of the homepage and login experience to enhance user on boarding and engagement; implemented a secure, scalable authentication system with real time backend validation, contributing to the apps growth of over 600% by improving usability, load performance, and trust.
- Managed and mentored a team of 5 interns, conducting 25+ code reviews and providing 10 hours of technical guidance weekly resulting in improved code quality and timely completion of all assigned projects.

Projects

Financial Health Advisor - Hackathon Project | *Python, JavaScript, HTML, CSS, AWS Bedrock & Lambda*   **Jan 2025**

- Engineered and refined prompt frameworks for Anthropic's Claude 3.5 to interpret user bank statements and deliver context-aware financial recommendations, spanning a spectrum of saving and investment strategies.
- Developed and deployed an AI-driven financial analysis workflow by integrating AWS Bedrock and AWS Lambda; architect-ed data pipelines using Amazon DynamoDB to enable secure, real-time access to personalized financial insights.

Orderly - Email Order Monitoring | *Python, Google Cloud Console*   **October 2024**

- Engineered an email monitoring system for e-commerce sellers, automating order tracking and data logging into Google Sheets, reducing manual data entry by over 8 hours/week.
- Implemented real-time data logging, web parsing & scraping, and automatic order management, processing 300+ orders/day, with a 95% accuracy and reducing manual sorting time by over 80%.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Flutter, Swift, MIPS
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio, XCode, Git, AWS, PyCharm

Leadership / Extracurricular

World Computing Organization   **Fall 2024 – Present**
Vice President / Founder   *San Diego State University*

- Founded and scaled the World Computing Organization to 100+ members by holding the Vice President position, leading an 8-person executive board, driving strategic growth initiatives, campus outreach and cross-department engagement.

Colorstack   **Fall 2024 – Present**
Member   *Remote*

- Engaged in Colorstack's professional development programs by attending online career fairs, technical workshops, and resume reviews, building industry connections and strengthening career readiness.