

Linus Wong

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EDUCATION

Santa Clara University

Santa Clara, California

Bachelor of Science in Electrical and Computer Engineering

Class of 2028

- Relevant Coursework: Data Structures and Algorithms, Multivariable Calculus, Object-Oriented Programming, Logic Design, Embedded Systems, Linear Algebra, Statistics

EXPERIENCE

Software Engineer Research Intern

August 2025 – Present

Algoverse AI Research

Remote

- Researching **interpretability** methods to evaluate whether **LLMs**' internal activations faithfully represent multi-step reasoning chains aimed for submission to **ICLR 2025 Workshop**
- Designing experiments using DeepSeek and Llama models to explore feature modularity and causal dependencies with **sparse autoencoders** and **activation patching**.
- Investigating quantitative metrics such as **Causal Faithfulness Score** and **Temporal Alignment Score** to assess internal reasoning consistency.

Founder, Lead Software Engineer

May 2025 – Present

Stealth AI

- Designed and implemented a mobile **AI agent** integrating **computer vision** and **facial recognition** for real-time assistance.
- Developed backend services in **Python (Flask)** and deployed optimized **AI models** using **edge inference frameworks**.
- Engineered a pipeline for **face detection** and **re-identification**, leveraging **embeddings** to improve recognition accuracy.

PROJECTS

AWS Based Student Engagement Platform | *AWS, Python, JavaScript*

Lumera

- Architected and implemented serverless backend solutions using **AWS Lambda**, **API Gateway**, and **DynamoDB**, handling user data, leaderboards, and real-time updates for a student engagement platform.
- Designed a **Python automation script** to prepopulate DynamoDB improving query time complexity from $O(n)$ to $O(1)$ and reducing database load by eliminating redundant cross-table reads.
- Integrated **AWS Bedrock** for AI features and deployed services through **EC2**, optimizing cost, performance, and scalability in a production-grade cloud environment.

Apple Vision Pro Application | *React, TypeScript, WebSpatial SDK, Vercel*

Simmer Space

- Collaborated with **ByteDance** to test and showcase their new **WebSpatial SDK** through an interactive cooking assistant **AR/XR** app.
- Engineered a dynamic step-by-step recipe workflow with **embedded multimedia** tutorials and a **modular** pop-out timer to enhance user engagement and multitasking.
- Deployed the production build via **Vercel** and published to the **App Store**.

Computer Vision Sentiment Analysis | *Python, PyTorch, Pandas, Scikit-Learn*

- Selected for a competitive **AI/ML research program**, gaining hands-on experience in **machine learning** and **computer vision**.
- Developed a **Facial Expression Recognition model** in **PyTorch**, improving **classification accuracy** through iterative **model tuning**.
- Collaborated with faculty and peers to refine **AI algorithms** in a **research-driven environment**.
- Presented final project at **UC Davis**, showcasing technical proficiency in **machine learning**, **coding**, and **data analysis**.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, Matplotlib

Developer Tools: Git, Github, DyanmoDB, Lambda, EC2, Bedrock, Node.js, Google Colab

Libraries: React, Pytorch, pandas, Pandas, NumPy, Matplotlib, Scikit-Learn, NumPy

Frameworks: React Native, Flask