

Elliot Chen

847-858-9547 | San Francisco, CA 94105 | eec202@yahoo.com

EXPERIENCE

Applied Intuition

Sunnyvale, CA

Software Engineer

Aug 2025 - Present

- Managing cloud infrastructure for over 100 different compute clusters on all major cloud providers, including Amazon Web Services (AWS), Azure, Google Cloud Platform (GCP), and Oracle Cloud Infrastructure (OCI).
- Enabled zero-downtime cloud deployments for hundreds of micro-services to all customers by optimizing Kubernetes node cycling and database schema migrations. Downtime was previously 2+ hours.
- Designed, built, and shipped an on-premise cloud solution to deploy simulation software on bare-metal compute running in secure U.S. government environments with no access to the public internet.
- Optimized the build graph for our flagship products, reducing code build time by 20%.

MIT Institute for Data, Systems, and Society

Cambridge, MA

Undergraduate Researcher

Jan 2025 – Jun 2025

- Built a graph neural network to predict the outcomes of different U.S. governmental lobbying strategies.
- Developed data pipelines between PostgreSQL databases and large-language models to run sentiment analysis on 2 million lobbying reports.

DGV Solutions LP

Minneapolis, MN

Quantitative Analyst Intern

Jun 2024 - Aug 2024

- Developed a novel options trading strategy that outperformed the S&P 500 Index on a risk-adjusted basis.

MIT App Inventor

Cambridge, MA

Software Engineer Intern

Aug 2023 - Jan 2024

- Integrated machine learning features and lessons into the App Inventor, a visual “drag-and-drop” programming environment empowering over 6 million students to create their own apps.

National Taiwan University Center for Artificial Intelligence

Taipei, Taiwan

Machine Learning Research Intern

May 2023 - Aug 2023

- Designed a convolutional neural network to predict Parkinson’s Disease from brain scans with 85% accuracy.

Rohsenow Kendall Heat Transfer Laboratory

Cambridge, MA

Undergraduate Researcher

Sep 2021 - May 2022

- Characterized how nanofiltration systems could be used to clean up nitrates from polluted groundwater.

EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

B.S. in Computer Science and Engineering

Sep 2021 - May 2025

GPA: 4.8/5.0

Relevant Coursework: Algorithm Design, Machine Learning, Computer Vision, Software Construction, Secure Hardware Design, Probability and Random Variables, Differential Equations, Linear Algebra

PROJECTS

Degradation Methods for Real-World Video Super-Resolution

Mar 2024 - May 2024

- Presented work on video super-resolution, the problem of reconstructing a high-resolution video from its low-resolution counterpart, to a panel of MIT computer vision professors. Received distinguished marks.

SKILLS AND INTERESTS

- Proficiency in Mandarin (National Collegiate Chinese Honor Society Member), Swimming (MIT Varsity Swim & Dive team member), Delta Tau Delta Fraternity, MIT Asian American Association (board member)