

Aiden Chang

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EDUCATION

University of Southern California	GPA: 3.9/4.0	Los Angeles, CA
M.S. in Computer Science (AI Specialization)		May 2025
Carleton College		Northfield, MN
B.A. in Computer Science		Jun 2023

TECHNICAL SKILLS

Programming Languages: Python, C, SQL, Typescript, JS, HTML, CSS, R
Frameworks / Tools: React, Git, Bash, Linux, AWS, Generative AI, LLMs, Agile Software Development
Libraries: NumPy, Pandas, Matplotlib, Keras, PyTorch, Langchain, LlamaIndex, ChatGPT, Huggingface

PROFESSIONAL EXPERIENCE

Artificial Intelligence/Full Stack Engineer, *Stealth Startup* May 2023 – Present

- Providing users with a comprehensive understanding of their security posture using generative AI, and simplifying complex data for actionable insights.
- Fine-tuning LLMs with custom data for precise domain-specific responses.
- Creating frontend (Angular) and Python backend. Utilizing PostgreSQL and vector databases.
- In charge of API development and integration, with a track record of creating and utilizing APIs to optimize performance and enable seamless data flow.

SWE Intern, *Charles Schwab/TD Ameritrade* Jun 2022 – Aug 2022

- Produced a full stack development monitoring the status of internal and external programs and servers.
- Refactored and tested *thinkorswim* software originally developed in Bash and converted to Python.
- Researched and applied network protocols, parallel programming, and full software development cycle.

Research Assistant, *Carleton College* Mar 2022 – Jun 2022

- Developed a custom programming language that drives the simulation engine for the Hennepin system Prof. Ryan presented as part of his PhD thesis.

Product Operation Software Engineer Intern, *Dexterity Inc.* Jun 2021 – Aug 2021

- Identified and reported bugs in the robotic arm's hardware and software on-site which increased the robot's picks from 1000 to 1600 per hour.

TECHNICAL PROJECTS

ARS - Grad ML Class Culminating Project - Implemented Graph Neural Networks for link regression in e-commerce, achieving a 1.01 RMSE. Our model excelled in handling sparse data and new user/product integration, surpassing comparable recommendation systems by 0.2 RMSE.

Cyber Sleuth - Undergrad Senior Capstone Project - Engineered a Python-based GUI app to create web app profiles, uncover internet footprints, and generate detailed reports and visualizations.

Heart Disease Predictor - Data Science Course Culmination Project - Built a web platform using supervised learning to predict heart disease based on physiological attributes.

EXTRACURRICULAR ACTIVITIES & LANGUAGES

President, Korean Student Association

Carleton College Varsity Football Team: Most all purpose yards & Academic All Conference

Languages: English (Fluent), Korean (Fluent), Mandarin (Intermediate), Japanese (Beginner)