

Dean Stratakos

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EDUCATION

STANFORD UNIVERSITY

MS COMPUTER SCIENCE, AI

Sep 2022 - Jun 2023

GPA: 4.02 / 4.00

BS COMPUTER SCIENCE, SYSTEMS

Sep 2018 - Jun 2022

GPA: 4.08 / 4.00

Phi Beta Kappa, Tau Beta Pi

SARATOGA HIGH SCHOOL

Aug 2014 - Jun 2018

GPA: 4.71 / 4.00

Saratoga, CA

LINKS

🐙 Github: [dastratakos](#)
in LinkedIn: [dean-stratakos](#)

COURSEWORK

Artificial Intelligence

Compilers

Computer and Network Security

Convex Optimization

Data-Intensive Systems

Machine Learning

- Convolutional Neural Networks
- Deep Learning
- ML Systems Design
- Natural Language Processing

Networking

OS & Systems Programming

Parallel Computing

Probabilistic Graphical Models

Social Computing

Web Applications

SKILLS

PROGRAMMING LANGUAGES

Proficient:

Python • C++ • C • Swift • TypeScript
JavaScript • SQL • HTML • CSS • \LaTeX

Familiar:

CUDA • R • Java • Kotlin • Scala • Go

TOOLS

NumPy • Pandas • Matplotlib • sklearn
TensorFlow • PyTorch • Keras • Azure
React • Expo • Svelte • Xcode • AWS
MySQL • MongoDB • Android Studio

WORK EXPERIENCE

FIVE RINGS | SOFTWARE DEVELOPER

Aug 2023 - present | New York, NY

- Design, develop, and optimize high-performance trading system components in C++ and Python, including order-placing robots, asset pricing engines, market data bridges, and message transport infrastructure.
- Lead companywide AI push by building tools to leverage internal knowledge.
- Work with traders and quantitative researchers to build road maps for larger projects. Coordinate with the trading operations team to develop release and rollback plans, ensuring safe deployment of production code.
- Ran 2024 summer internship, managing 24 dev interns and 11 other mentors. Presented on system architecture and C++, scoped and assigned tasks, and reviewed code. Also mentored two interns during 2024 winter internship.

APPLE | SOFTWARE ENGINEERING INTERN, SIRI INFORMATION INTEL

Jun - Sep 2022 | Seattle, WA

- Coordinated three new Siri personalization features across five teams.

CITADEL | SOFTWARE ENGINEERING INTERN, MARKET CONNECTIVITY

Jun - Aug 2021 | New York, NY

- Redesigned the recovery mechanism of the TCP connection between market gateway and market connector nodes on Citadel's internal trading platform.

APPLE | ALGORITHMS R&D INTERN, ADVANCED COMPUTATION GROUP

Oct 2020 - Jan 2021 | Portland, OR (remote)

- Computed per-pixel parallax values for videos shot on iPhone using LiDAR depth data. Developed visual representations using Matplotlib and OpenCV.
- Implemented a homography estimation algorithm to help identify outliers 🧠.

TECHNICAL PROJECTS

CLASSY | CS 194W

Mar - Jun 2022 | Languages: TypeScript, Python | 🍏 App Store | ▶ Play Store

- Built a social app for courses using React Native frontend + Firestore backend.

SARCASM DETECTION | CS 224U

May - Jun 2021 | Language: Python

- Trained ALBERT and XLNet NLU models by fine-tuning on the SARC dataset.

PINTOS | CS 140

Jan - Mar 2021 | Language: C

- Implemented threading, user programs, system calls, priority scheduling, and a file system for an instructional operating system.

FACE MASK DETECTION | CS 229

Nov 2020 | Language: Python | 🐙 GitHub repository

PHOTO SHARING WEB APPLICATION | CS 142

May - Jun 2020 | Languages: JavaScript, HTML, CSS | 📺 YouTube demo

ACTIVITIES

STANFORD UNIVERSITY VARSITY TENNIS TEAM | MEMBER

Sep 2018 - Jun 2022

CURIOUS CARDINALS 🏹 | CS TUTOR, Jan 2021 - Jun 2022