Dean Stratakos

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EDUCATION

STANFORD UNIVERSITY

MS Computer Science, AI
(exp) Jun 2023
GPA: 3.89 / 4.00

BS Computer Science, Systems
Sep 2018 - Jun 2022
GPA: 4.10 / 4.00

Tau Beta Pi member

SARATOGA HIGH SCHOOL

Aug 2014 - Jun 2018
GPA: 4.71 / 4.00
Saratoga, CA

LINKS

Website: dastratakos.github.io
Github: dastratakos
LinkedIn: dean-stratakos

COURSEWORK

Artificial Intelligence
Compilers
Computer and Network Security
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
Web Applications

SKILLS

PROGRAMMING LANGUAGES

Proficient:
Python • C++ • C • Java • JavaScript
TypeScript • SQL • HTML • CSS • LaTeX
Familiar:
CUDA • R • Swift • Kotlin • Scala • Go

TOOLS

Proficient:
NumPy • scikit-learn • PyTorch • AWS
Unix • TensorFlow • Git • SQLite
MongoDB (NoSQL) • Android Studio
Keras • Pandas • Xcode • Expo • React
Familiar:
Microsoft Azure • GCP • Figma

WORK EXPERIENCE

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.

APPLE | Software Engineering Intern, Platform Triage team

Jun - Sep 2020 | Cupertino, CA (remote)
- Improved the performance, scalability, and maintainability of a machine learning clustering algorithm that groups duplicate kernel panic reports.
- Achieved cluster efficiency ARIs of 84-89% for two new data slices.

QUADRIC (startup) | Software Engineering Intern

Jun – Aug 2019 | Burlingame, CA
- Designed the back end for six CNN layers in a C++ based intermediate language on a specialized edge-computing hardware architecture.

TECHNICAL PROJECTS

CLASSY | CS 194W

Mar - Jun 2022 | Language: TypeScript | App Store | Play Store
- Built a social education app using React Native frontend and 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 - present

STUDENT-ATHLETE ADVISORY CMTE | Member, Social Events

Sep 2019 - Jun 2021
- Developed a matching algorithm for Athlete Mingle, a virtual meet-up event.

CURIOUS CARDINALS | CS Tutor, Jan 2021 - Jun 2022