Dean Stratakos

Saratoga, CA | dstratak@stanford.edu | (408) 797-4107

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