

Mehul Arora

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EXPERIENCE ✨

Amazon Inc. — Software Development Engineering Intern

June 2021 - August 2021

- Designed and deployed a service to automate the ingestion of movie trailers by the IMDb platform using Java, JavaScript and AWS.
- Reduced time taken by upload process over 150x from several minutes to seconds.

Stanford Psychophysiology Lab — Software Research Intern

June 2020 - March 2021

- Worked on end-to-end wearable health device for people diagnosed with ASD.
- Implemented iOS application to serve as a control center for the device and for subsequent data analysis.
- Implemented APIs and protocols for Bluetooth Communication between Phone and microprocessor using a distributed system.

Stanford University — CS106 Section Leader

January 2021 - Current

- Section leader for Stanford's largest undergraduate courses in Python and C++.
- Responsible for designing and teaching a weekly discussion section to solidify concepts taught in lecture and work through problems and taking office hours.

PROJECTS 🛠️ (see more)

YesTrashCAN — TreeHacks '20 (nVidia special mention)

Developed a modular CV project with a 3-member team to classify user waste and monitor waste levels on a dashboard to make sustainability effortless.

Wanadu — CS278 Class project

Developed a scalable social mobile application for niche, underrated, less “touristy” experience travel recommendations using Swift and Google Firebase.

WhatTimeWorks — Personal Project

Used Swift and Google Firebase to develop a real-time calendar application to coordinate events with a large number of people by getting their availability.

GoldenHour — AngelHack '19

Created a camera platform on Raspberry Pi using Python to process real-time video feed using ML to analyse it for abnormalities like a seizure or fainting.

EDUCATION 🎓

Stanford University

Class of 2023

BS, Computer Science (AI Track)
GPA: 3.91

Relevant Coursework:

- CS231N - Convolutional NN
- CS161 - Data Structures
- CS142 - Web Applications
- CS193P - iOS Development
- CS278 - Social Computing
- CS152 - Trust and Safety
- CS131 - Computer Vision
- CS230 - Deep Learning

SKILLS 🧑‍💻

Languages

Python, Swift, C++, C, JavaScript, Shell, Java

Frameworks / Technologies

Git, Figma, Linux, TensorFlow, SwiftUI, ReactJS, NodeJS, AWS

Other

Public Speaking, Leadership, Teaching

ACTIVITIES ⚽

Applied Cybersecurity

Member

Stanford Technology

Peer Technology Specialist

Student Space Initiative

Webmaster
Co-lead, Balloons Launch Ops