

Mehul Arora

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EXPERIENCE

Stanford CURIS — *Software Development Research Intern*

June 2020 - Sep 2020

- Worked on end-to-end wearable health device for people diagnosed with Autism Spectrum Syndrome (ASD).
- Implemented iOS application from scratch 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 — *CS106A Section Leader*

January 2020 - Current

- Section leader for Stanford's largest undergraduate course and Computer Science introductory class in Python (CS106A)
- Responsible for designing and teaching weekly discussion section to solidify concepts taught in lecture and work through problems

PROJECTS

YesTrashCAN — TreeHacks '20

Developed a modular CV project with a 3-member team to classify user waste and monitor waste levels on a dashboard and make sustainability effortless. The project received a special mention from nVidia.

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.

Requirement Tracker — Personal Project

Used Core Data and SwiftUI to build an iOS application to make tracking degree progress easier and more efficient for college students.

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.

Abridge — AngelHack '18

Developed Web platform using Python, Javascript and Google's cloud suite to take notes seamlessly from speech with a 3-member team.

EDUCATION

Stanford University, Class of 2023

BS, Computer Science (AI Focus)
GPA: 3.91

Relevant Coursework:

- CS161 - Data Structures + Algo
- CS193 - iOS App Development
- CS131 - Computer Vision
- CS221 - Principles of AI
- CS110 - Advanced Systems

SKILLS

Languages

Python, Swift, C++, C, HTML/CSS, JavaScript, Shell

Frameworks

Flask, ReactJS, Git, OpenCV, SwiftUI

Other

Public Speaking, Leadership, Teaching

HONORS

INOI '18, National Qualifier

SEAMO '18, National Rank 2

KVPY '18, National Scholar

ACTIVITIES

Applied Cybersecurity

Active Member

Stanford Technology

Peer Technology Specialist

Student Space Initiative

Webmaster

Co-lead, Balloons Launch Ops