

# 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 CS introductory class in Python.
- 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 / Technologies*

SwiftUI, Linux, TensorFlow, Git, ReactJS, Flask

### *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