# 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
- CS230 - Deep Learning
- CS193 - iOS App Development
- CS131 - Computer Vision
- 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