Mehul Arora

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EXPERIENCE

Stanford CURIS — *Undergraduate Researcher*
June 2020 - Sep 2020

- Worked on end-to-end wearable haptic breathing pacer for people diagnosed with Autism Spectrum Syndrome (ASD)
- Led project to create the iOS mobile interface to control and manage the breathing pacer using Swift.

Stanford University — *CS106A Section Leader*   Starting
December 2020

- Section leader for Stanford's largest undergraduate course and Computer Science introductory class in Python (CS106A)
- Design and teach weekly discussion section to solidify concepts taught in lecture and work through programming 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 centralized dashboard and make sustainability effortless. The project received a special mention from nVidia.

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 an embedded camera platform on Raspberry Pi using Python which processes a real-time video feed using ML to analyse it for abnormalities like a seizure or fainting with a 3-member team.

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.

UNO — Personal Project

Used sockets, threading and pygame to create a server-client based version of popular card game UNO in python.

EDUCATION

Stanford University, Class of 2023
BS, Computer Science (AI Focus)
GPA: 3.85

Relevant Coursework:

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

SKILLS

Python

C/C++

Swift

Arduino

Javascript

HONORS/AWARDS

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