

# Dhruv Sharma

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, LOS ANGELES - UCLA

Henry Samueli School of Engineering and Applied Science  
Computer Science

2018 – 2022 | Los Angeles, CA

GPA: 3.6

Completed Courses:

- Operating Systems
- Computer Architecture & Algorithms
- Software Construction

Current Courses:

- Programming Languages
- Machine Learning (Stanford University, Online)

### GEMS MODERN ACADEMY

High School

2014 – 2018 | Dubai, UAE

ISC: 94% • ICSE: 96%

Honors:

- KS Varkey Scholarship 2016 - 2018
- World Topper in Computer Science ICSE (2016) & ISC (2018)

## PROJECTS & ACTIVITIES

- Developed an Arduino library that provides tools to create a completely customizable dashboard display for vehicles.
- Currently developing a very basic Operating System to explore how an OS is built from scratch. I plan on learning from this and contributing to open source OS projects like the Linux kernel.
- Developed an automated script to create a git server and website on your own VPS or server.
- Active investing and trading.
- Completely self taught full stack web developer.

Check out my projects on my GitHub page ([github.com/dhruvsharma78](https://github.com/dhruvsharma78))

## SKILLS

**LANGUAGES** C • C++ • Python • Java • JavaScript  
HTML • CSS • OCaml • Scheme • Prolog • Swift

**FRAMEWORKS** NodeJS • React • Express • Sass

**OTHERS** Microsoft Excel (Microsoft Certified Specialist) • SolidWorks • Adobe XD • Adobe Photoshop

## EXPERIENCE

### AMAZON WEB SERVICES (AWS)

SOFTWARE ENGINEERING INTERN

July 2020 - October 2020 | Seattle, WA

- Building throttling infrastructure for the AWS Traffic Engineering Team under AWS Identity

### UCLA DEVX

INTERNAL VICE PRESIDENT

May 2020 - Present | Los Angeles, CA

### BCHAT | UCLA DEVX

ENGINEERING MANAGER

May 2020 - Present | Los Angeles, CA

- Developing bchat, a chat app for college campuses that allows students to find group chats for their classes. (iOS)

### DRUG DECIDER | UCLA DEVX

FULL STACK ENGINEER

October 2019 – April 2020 | Los Angeles, CA

- Developed DrugDecider (in partnership with the UCLA David Geffen School of Medicine), a health app that uses machine learning to predict a patient's treatment response to antipsychotic drugs.

### UCLA IT SERVICES

IT CONSULTANT

September 2019 – Present | Los Angeles, CA

- Provide primary support for clients at Bruin Online (BOL)

### BLUE DOME TECHNOLOGIES

SOFTWARE ENGINEERING INTERN

July 2019 – September 2019 | San Francisco, CA

- Successfully researched and implemented methods to allow for accurate and fast text detection and recognition on images, dealing with issues like shadows, light, reflections, color, perspectives. Also added object tracking to supplement existing ML object detection models.
- Researched and implemented a service, from scratch, to stream video files to a server and process the video (using ML model) on the fly, thereby improving customer experience and wait times.

### BRUIN RACING

FSAE ELECTRONICS & DATA ACQUISITION TEAM

2018 – 2019 | Los Angeles, CA

### ESRI

SOFTWARE ENGINEERING INTERN

August 2016 & July 2017 | UAE