

DHRUV SHARMA

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OBJECTIVE

Looking for an opportunity to learn about CS principles and its implementation in a professional environment.

SKILLS

Proficient in Java, Python and C++. Intermediate knowledge of C#, HTML, CSS, Javascript, Swift.

Proficient in the use of several python data science libraries: pandas, matplotlib, numpy.

Skilled at the use of Adobe Photoshop, Illustrator and Final Cut Pro X

Microsoft certified Microsoft Excel Specialist

Ability to analyze problems and find simple effective solutions.

EXPERIENCE

BRUIN RACING – LOS ANGELES, USA

FSAE ELECTRONICS & DATA ACQUISITION TEAM MEMBER

September 2018 - Present

Assisting in the design and implementation of electrical systems of the vehicle. Designed the dashboard on the car and currently developing a custom data logging system.

ESRI – SHARJAH, UAE

SOFTWARE ENGINEERING INTERN

August 2016 & July 2017

Created drivers to support to add support for new file types in ArcGIS. Used GDAL to create an automated testing script to test support for different image file types and log the results. Also worked on enhancing the performance of the script and significantly reducing runtime.

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

Henry Samueli School of Engineering and Applied Science

Computer Science, 2018 – 2022 (expected)

Current GPA: 3.6

Previous Courses: CS1, CS31, Math 31A, ENGGCOMP 3, STATS 19

Current Courses: CS32, Physics 1A, Math 32B, Machine Learning (Stanford University, Online)

GEMS MODERN ACADEMY, DUBAI

KS Varkey Scholarship: 2016 - 2018

ISC: 94%, World Topper in Computer Science (100%)

PROJECTS / ACTIVITIES

Developed a library that provides tools to create a completely customizable dashboard display for vehicles. Currently in use by UCLA Formula Racing.

Currently developing a stock market analysis tool that identifies historical and live patterns along with calculating multiple technical indicators to make predictions.

Developing a stock trading algorithm that uses the aforementioned analysis tool.

Member of UCLA Bruin Racing, UCLA ACM, UCLA Algorithmic Trading, and Bruin Trading.