JUSTIN YUE

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EDUCATION

Oxford Academy   *August 2014 - May 2020*
High School Diploma
University of California, Irvine   *September 2020 - Present*
Bachelor of Computer Science

CAREER OBJECTIVE

To create software applications for social good and empower others in my community through technology.

PROJECTS

Asclepius
A digital physical therapy assistant, Asclepius is built to provide feedback on its users' corrective exercises. It does so through computer vision and by leveraging the accelerometer built into modern smartphones. From this project, I familiarized myself with openCV and Android activity life cycles. Asclepius won the 2019 Congressional App Challenge in CA47.

CovCast
During the COVID-19 pandemic, knowing the potential number of confirmed cases of those infected may be useful. At EarthxHacks, I worked with a group of others on a ReactNative application visualizing these cases on a geospatial map. I worked on a machine learning model to accurately predict those cases, then deploying the model on AWS. Through this project, I learned about preprocessing data, different regression models, and creating an API on AWS.

MedEssentials
An Android Application, MedEssentials provides an effective way to connect medical frontline workers with donors and manufacturers of medical products. Working on this project during TitanHacks with others helped me learn about using Google Firebase as a backend, such as authentication and writing and read from Firebase's realtime database.

TECHNICAL STRENGTHS

Languages	Java, Python, HTML, CSS, Javascript
Software	VSCode, Android Studio, Git(hub)

WORK EXPERIENCE

FRC 4079, Quantum Leap   June 2017 - May 2020
Software Team Member, Software Lead (2019-2020)

· Working with industry mentors and school students, I lead in programming various subsystems (drivetrain, computer vision, manipulators) in creating a fully functional robot.

ACADEMIC ACHIEVEMENTS

Mathworks Modeling Challenge Honorable Mention

Academic Excellence in Exploring Computer Science