Sunny Guan

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EDUCATION

The University of Texas at Dallas **Anticipated May 2022**
B.S. Computer Science. Collegium V, Computing Scholar, National Merit Scholar Richardson, TX
- Organizations: Association for Computing Machinery (ACM), Artificial Intelligence Society (AIS)

De Anza College, West Valley College **2018 – 2020**
Dual Enrollment Cupertino, CA

Lynbrook High School **2016 – 2020**
High School Diploma, 3.95/4.00 San Jose, CA

COURSEWORK

Data Structures and Algorithms	Probability and Statistics	Number Theory
Differential Equations	Linear Algebra	Discrete Mathematics

SKILLS

Languages/Frameworks: Java, Python, C++, HTML/CSS, JavaScript, React, Angular
Tools: Flask, Git, Heroku, Spring Boot, Linux

PROJECTS

VR Viewport Prediction **Sep. 2020 – Present**
ACM Research GitHub
- Researching benefits of using salient features in VR videos to predict user viewport and reduce network usage.

Whiteboard **Apr. 2020 – Present**
JavaScript, HTML/CSS, Python Flask, Java Spring Boot, Angular GitHub
- Redesigns UTD's Learning Management System with crucial UI and functionality enhancements
- Added course GPA data and professor reviews onto course catalog with web scrapers to speed up course selection
- Ported web application into Chrome extension for user convenience

UTDegree Planner **Jun. 2020 – Present**
React, JavaScript, Python utdegreeplanner.com
- Implemented important features such as prerequisite validation and graph visualization to improve functionality and visual appeal of application for end users
- Additional features include transcript parsing (with Python), autocomplete (React MUI), and import/export.

WORK EXPERIENCE

Code Instructor **Dec. 2019 – Aug. 2020**
The Coder School Cupertino, CA
- Improve students' skillset in Java, Python, and JavaScript, through weekly tutoring sessions.
- Prepared high school students for AP Computer Science by writing weekly progress reports and teaching important concepts such as inheritance, polymorphism, and recursion.

Math Tutor **Dec. 2018 – Jun. 2019**
Brighter Future Learning Center San Jose, CA
- Tracked students' skills in mathematics ranging from Algebra to Calculus through bi-weekly meetings.
- Graded exams and homework assignments to monitor and report students' current progress to supervisor.

ACHIEVEMENTS

National Merit Finalist
- Full scholarship for performance on the PSAT (1500/1520) as well as the SAT (1580/1600).
- Awarded to 0.4% of 3.5 million high school seniors in the US.

Computing Scholar
- Passed invite-only entrance exam to join UTD's competitive CS^2 Honors program.

AIME Qualifier
- Qualified for the American Invitational Mathematics Exam 3 times (top 5% of AMC 12).

USA Computing Olympiad
- Contestant in Gold Division from 2017 to 2020