Jonathan Yu

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Education

University of California, San Diego September 2018–June 2022 (Expected)
– Bachelor of Science (B.S.) in Computer Science, 3.68 GPA.
– Coursework: Data Structures and Object Oriented Design (A), Software Tools and Techniques (A), Computer Science and Object Design: Java (A), Discrete Mathematics (A), Computer Organization and Systems Programming (A).

Projects

NMIST Digit Classifier
– Introductory machine learning project classifying digits 0-9
– Utilized Keras libraries coded with Python
– Achieved 97 percent accuracy after three epochs

Potentiometer-Controlled Robotic Arm
– Utilized an Arduino Leonardo board to control four potentiometers attached to robotic arm
– Coded using C and C++

Connect Four Application
– Utilized Greenfoot API to create a Connect Four game
– Allowed users to play either against other players or against a bot
– Coded using Java

20-20-20 Eye Relaxer
– Utilized electric servos and MIT app inventor to create an Android application
– Program aimed to help alleviate eye problems caused by staring at blue light for too long
– Won Honorable Mention at Synopsys Science Fair

Leadership

Outreach Vice President of Programming Club, Evergreen Valley High School April 2017–April 2018
– Find events related to programming such as hackathons and coding competitions
– Assist the president wherever necessary
– Taught programming to both begiinner and advanced students
– Lead the club should the president become absent

California Academy of Sciences Volunteer, California Academy of Sciences June 2015–Aug 2015
– Spoke with guests on the ground floor about exhibits
– Worked in a team setting to make sure each exhibit was handled
– Learned about scientific importance about specimen at the museum

Accolades

– Second place at Google UCSD WIC Beginners Programming Competition - Spring 2019
– Fifth place at Microsoft UCSD WIC Beginners Programming Competition - Winter 2019
– USACO Silver Division
– Synopsys Science Fair - Honorable Mention

Skills

– Proficient in Java, C, C++, Linux, ARM Aseembly
– Experience with Git, Bash Scripting, Python
– Leadership experience from school clubs
– Teaching experience with computer science at school