Jonathan Yu

https://www.linkedin.com/in/jonathanyu2/
jhy002@ucsd.edu
408-623-0291

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

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
- Teach both simple programming to new programmers and advanced concepts to those experienced in programming
- 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 UCSD WIC Beginners Programming Competition - Spring 2019
- Fifth place at 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