Jack Tian

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Computer and Technical Skills

Familiarity with the following:

Languages: C/C++, Python, Java, HTML, JavaScript

Education

UC Berkeley - Electrical Engineering and Computer Science (Aug. 2022 - May 2024, Expected)
De Anza College - Associates Degree for Transfer in Computer Science (Jun. 2019 - Jun. 2022)

Experience

Ambarella - Summer Intern (Jun. 2022 - Aug. 2022)

- Drove team to create a website that can draw a connected graph given user-inputted nodes
- Designed and implemented features including a info-displaying side panel, drag and zoom in/out feature, highlighting feature, and a search bar for finding nodes based on name using HTML, CSS, JavaScript

NASA Community College Aerospace Scholars (Jan. 2021 - Sep. 2021)

- Conducted research and wrote a paper of the capabilities of in-situ resource utilization on the Moon
- Competed in mission designing as the Budget Officer and the Mission Schedule Analyst

SpringGem Weather – Web Developer Intern (Jun. 2021 - Aug. 2021)

- Designed and added web pages to company website to increase awareness of cold-related illnesses
- Developed a search engine of weather-related terms using AMS database
- Established deep fundamentals of HTML and JavaScript

Botball – Lead Programmer and Captain of Los Altos Robotics Community Team (2017 - 2020)

- Programmed servos, motors, sensors, gyroscopes, and cameras with C and the “libwallaby” library
- Updated complex color-detecting tool as well as robot’s gyroscope-based movement
- Lead my team to place in top 4 in Northern California 2018 and 2019

Projects

Identifier Processor (2022)

- Parses a .c file and extracts all the identifiers and their line numbers using C

Scheme Interpreter (2021)

- Created an interpreter for a subset of the Scheme language using Python
- Tackled simple evaluations, user-defined procedures, etc.
- Group project for course credit; taken at UC Berkeley CS 61A course

Picture Manipulator (2020)

- Constructed a program that can enhance, blur, shift, zoom in, and rotate pictures using Java

Garden Simulator (2018)

- Created a turn-based garden simulator using Java and Swing
- Implemented random weather and a store/currency to buy new seeds

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Extracurriculars

League of Legends (2012 - present)

- Playing on D1 Team for UC Berkeley (Role: Top Lane)
- Reached top 600 players in North America

Guitar (2020 - present)

- Self-taught guitarist (both acoustic and electric)