Edward Wu

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Motivated university student seeking an internship in summer of 2023 as a software developer. Strong understanding of Java, C++, and Python through use in personal projects and software development. In depth knowledge of SQL-based databases. Excited to apply my excellent critical thinking and interpersonal skills to make real-world change through software.

EDUCATION

University of Toronto   Sept. 2022 - May 2026 (expected)
Bachelor of Applied Science in Computer Engineering

SKILLS

- Professional Communication, Adaptability, Critical Thinking, Time Management, Leadership
- Computer Skills: Java, C++, Python, HTML, CSS, JavaScript, SQL, GIT, MATLAB, MS Office

PROJECTS

PaintBoard - Richmond Hill, ON   Jun. 2022
- Led a group of 4 to design, program, and test a collaborative drawing application in Java
- Developed a user-friendly GUI interface using Java's GUI toolkit to allow for intuitive user usage of the application's menus
- Utilized Java Sockets to develop a Client-Server system to transmit custom class objects over a LAN network, enabling the syncing of drawings on one shared environment
- Proposed and designed a chat system to allow users to instantly communicate with each other using text

RELEVANT EXPERIENCE

Project Manager - Engineering Strategies & Practices I, U of T   Sept. 2022 - Present
- Managed a client-proposed project with a team of 5 students to design, research, and propose a solution to the reconstruction of the Sidney Smith Building's East Entrance
- Allocated weekly tasks within the group to keep the team on pace with the deadline and resolved task conflicts through effective communication

Coding Instructor - Caution Tape Robotics Club, Remote/Markham, ON   Jan. 2021 - Aug. 2021
- Supervised and instructed 10+ students on the basic principles of HTML & CSS as part of codeclub.org's network of free coding clubs.
- Developed additional curriculum in collaboration with other instructors to create engaging activities and lesson slides for students
- Communicated with parents on a weekly basis to provide specialized feedback and next steps for each student

EXTRACURRICULAR ACTIVITIES

Software Team Member - Spark Design Club, U of T   Sept. 2022 - Present
- Worked in a group of 3 to create a pattern memorization game using custom hardware and a Arduino
- Programmed game logic and hardware-software interfaces for the Arduino in C++
- Implemented bit masking algorithm to increase runtime and memory efficiency of game code, allowing for a 77% increase in game grid size from 6x6 to 8x8
- Collaborated with team members using GIT and Notion while learning effective communication for a large scale engineering project

AWARDS & ACCOMPLISHMENTS

University of Toronto Scholars Award   Oct. 2022
- 1 of 700 secondary school students recognized as being U of T's outstanding students at admission

Edward S Rodgers Sr. Admission Scholarship   Oct. 2022
- Scholarships given to students who show excellence in academic achievement and extracurricular activities