

Roy Huang

royhuang@umich.edu | (781) 824-2840

Education

University of Michigan, College of Engineering

Ann Arbor, MI

Apr 2026

- B.S.E., Computer Science, GPA: 3.97/4.00, Dean's list
- Coursework: Web Systems, Computer Organization, Cybersecurity, Data Structures and Algorithms

Work Experience

Conjuguemos

Newton, MA

Quality Assurance and Security Analyst

June 2022 - Present

- Tested features, accessibility, and security of the website's games and services.
- Provided feedback which led to accelerated completion of website redesign and accessibility improvement.
- Demonstrated attention to detail through identifying bugs, UI inconsistencies, and accessibility barriers.
- Provided development and user-oriented feedback to enhance user experience and learning through gamification.
- Arranged product testing dates and managed tester compensation for group game testing.

KTBYTE Computer Science Academy

Lexington, MA

Programming Teacher

Oct 2021 - Present

- Lead weekly office hours for Java classes, answering questions and assisting students on programming homework/projects including AP Computer Science A and USACO material.
- Taught a beginner Java class for students age 7-11, creating lesson plans, and guiding students in final projects (games such as Pong and Space Invaders.)

TJX

Waltham, MA

Retail Sales Associate

May 2024 - Aug 2024

- Provided exceptional customer service by efficiently processing transactions, returns, and addressing inquiries.
- Enhanced store appeal by creatively arranging displays, leading to increased customer engagement and sales.
- Collaborated with team members to maintain a clean and welcoming shopping environment.

Project Experience

Chatbot Development

- Engineered a Python-based Discord bot for remote roleplaying game management, automating game rule calculations previously done manually with dice.
- Self-taught through online documentation, implemented features that streamlined battles for groups of friends.

3D Printing

- Authored a user guide facilitating the integration of 3D printing support into a 3D software group's workflow.
- Assembled an Original Prusa i3 MK3S+ from a kit, configured Ender 3 printers, producing diverse 3D models.

Skills

Programming: C/C++, Python, Java, Javascript, HTML/CSS

Software: Git, macOS, Windows, Linux, visual debugger

Activities

- **Violinist**, University of Michigan Campus Symphony Orchestra, MA All-State Orchestra Jul 2010 - Present
- **Michigan Hackers Core Member**, University of Michigan Jan 2024 - Present