

Marcus Huynh

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EDUCATION

Virginia Tech - Blacksburg, VA

GPA: 3.83/4.0

Bachelor of Science in Computer Science

Expected May 2025

- Relevant Coursework: Data Structures & Algorithms, Computer Systems, Algorithm and Analysis, Database Management

Virginia Tech - Alexandria, VA

Master of Engineering in Computer Science (Concentration in Data Analytics and AI)

Expected May 2026

- Relevant Coursework: Machine Learning

SKILLS

Languages: Java, JavaScript, Python, C, HTML, CSS, SQL, Lua

Tools/Frameworks: React.js, Node.js, Express, Flask, Linux, Git, Tailwind

PROJECTS

Youtube Companion

Feb 2024

- Developed a Google Chrome extension to enhance YouTube viewing experience with **real-time AI insights**, using **JavaScript, HTML, and CSS** for a user-friendly popup interface
- Integrated **OpenAI's API** to interpret user queries and generate contextually relevant responses
- Engineered a robust backend system using **Heroku, Node.js, and Express.js** to handle API requests and manage data flow, enabling efficient communication between the extension, YouTube's interface, and the AI service

Persona Web Automation

Feb 2024 - Aug 2024

- Developed a flexible automation framework capable of handling most web tasks, influenced by an AI-generated persona based on users' personalities
- Implemented **React, JavaScript, and Tailwind** for the user interface and **Python and Flask** for the backend
- Utilized the OpenAI API to generate user personas and analyze web pages for personality-accurate automation

EXPERIENCES

PRIME Lab @ Virginia Tech - Blacksburg, VA

Feb 2024 – Dec 2024

Undergraduate Research Intern

- Conducted experimental research on **human-AI interaction** patterns in an educational context, analyzing student engagement and learning outcomes
- Collaborated with diverse teams to design and implement user studies and systems evaluating the effectiveness of **AI-enhanced interfaces**

VT Computer Science Department - Blacksburg, VA

Aug 2024 – Dec 2024

Teaching Assistant

- TA for the **Data Structures and Algorithms Course** at Virginia Tech
- **Assisted 450+ students** with assignments and projects by holding regular office hours, answering questions on the class forum, and responding to emails from students
- **Worked closely with instructors** and other TAs by attending weekly meetings, reviewing assignment specifications, and grading assignments

Center for the Enhancement of Engineering Diversity (CEED) - Blacksburg, VA

May 2024 – July 2024

Summer Research Intern

- Attended **weekly professional workshops** to enhance skills in research methodologies, academic writing, and professional development
- Conducted independent research related to AI and automation, **presenting findings and project outcomes** at the end-of-program VT research symposium