

# Marcus Huynh

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## EDUCATION

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**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 Analysis, Database Management

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

**Expected May 2026**

- Relevant Coursework: Machine Learning

## SKILLS

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

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

## PROJECTS

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**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

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**PRIME Lab @ Virginia Tech** - Blacksburg, VA

Feb 2024 – Jan 2025

Undergraduate Research Intern

- Performed data analysis on user study findings using PostgreSQL and SQL queries to process 1000+ student-AI interaction events, revealing key insights about engagement patterns and feature usage
- Collaborated with diverse teams to design and implement user studies and systems to evaluate 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