Marcus Huynh

marcusj.huynh@gmail.com | marcushuynh.com | linkedin.com/in/mjhuynh | (571)-279-4919

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, Software Des. and Eng., Comparative Languages

Master of Engineering in Computer Science (Concentration in Data Analytics and AI) **Expected May 2026**

SKILLS

Languages: Java, JavaScript, Python, C, HTML, CSS, SQLite, Lua
Tools/Frameworks: React.js, Node.js, Express, Flask, Linux, Git, MongoDB, Redux, 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

Workout Wizard June 2024 - July 2024
- Developed a comprehensive workout planning web app offering muscle group-based exercise recommendations with video demonstrations, customizable exercise plans, user profiles, and progress tracking
- Implemented **React.js** for the frontend with **Redux** for state management and **Tailwind** for styling, and **Node.js, Express.js** for the backend with **MongoDB** for data storage

EXPERIENCES

PRIME Lab @ Virginia Tech - Blacksburg, VA Feb 2024 – Present
Undergraduate Research Intern
- Developed **AI-powered agents** with distinct personas to automate web-based tasks, utilizing **React, JavaScript, and Python**
- Collaborating with diverse teams to design and implement user studies evaluating the effectiveness of **AI-enhanced interfaces**

VT Computer Science Department - Blacksburg, VA Aug 2024 – Present
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 to **cultivate a supportive learning environment** for students 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