

Tory Yang

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EDUCATION

The Ohio State University

Bachelor of Science in Computer Science and Engineering (Honors); GPA: 3.8

Columbus, OH

Expected May 2026

SKILLS/COURSEWORK

Languages: Java, JavaScript, HTML/CSS, Python, C/C++, MATLAB, Swift

Technologies: Node.js, Express.js, React, MongoDB, Linux/Unix, Excel, CAD, SolidWorks, Git/GitHub, VS Code

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Web Design and Development, Computer Architecture, Artificial Intelligence, Software Engineering, Engineering Statistics

EXPERIENCE

Tender Care ABA

HR Manager, IT Intern

May 2023 – Present

Cleveland, Ohio

- Collaborated with team members to design, develop, and maintain the company website, prioritizing user experience and content relevance
- Built an interactive company calendar accessible to both clients and staff for efficient scheduling and organization
- Monitored, serviced, and resolved technical issues (hardware and software) to preempt recurring problems
- Implemented streamlined processes in client acquisition, communication, and staff training to maximize efficiency

The Ohio State University Club Tennis

Financial Officer

August 2022 – Present

The Ohio State University

- Produced models to accurately project the budget and allocate expenses throughout the year
- Maintained and managed the budget of 100+ club members, increasing team funds and efficiency by 20%
- Regularly engaged in communication and board meetings, fostering a collaborative and productive environment

Artificial Intelligence Club

Member

August 2022 – Present

The Ohio State University

- Spearheaded the design and development of Python-based projects utilizing Google Colab
- Leveraged machine learning and other AI techniques to effectively analyze, classify, and predict housing prices
- Collaborated closely with peers in interactive workshops, tackling challenges and optimizing project outcomes

Competitive Programming Club

Member

August 2022 – Present

The Ohio State University

- Learned and applied new algorithms, methods, and problem-solving techniques to enhance proficiency
- Explored and deployed diverse strategies aimed at optimizing runtime efficiency and reducing memory usage
- Competed against 100+ teams in various frequent and rigorous programming competitions

Grade Potential

STEM Tutor

May 2022 – Present

Cleveland, Ohio

- Provided weekly tutoring sessions to multiple students, covering a range of STEM subjects and topics
- Developed customized lesson plans tailored to each student, resulting in measurable improvements in performance
- Cultivated relationships with students and parents, fostering encouragement and a supportive learning environment

PROJECTS

JPMorgan Code For Good 2023 | MongoDB, Express, React, Node, Visual Studio Code, Git

November 2023

- Collaborated with a team to develop a comprehensive MERN stack application benefiting Goodwill Columbus
- Integrated Full Stack components to promote Goodwill's program and stimulate real-time two-way communication
- Designed and implemented interactive components to enhance user experience and engagement
- Optimized performance through efficient code practices and responsive design techniques for various devices

FEH Robot Competition | C/C++, VS Code, SOLIDWORKS, Machine Shop

August 2022 – May 2023

- Engaged in team collaboration to engineer an autonomous robot capable of navigating a predefined course
- Constructed a physical and a virtual model utilizing CAD software to accurately simulate the robot's functionality
- Utilized various methods and machine shop resources to optimize material usage, adhering to budget constraints
- Regularly programmed and documented the robot to improve efficiency and minimize course completion time