

CINDY YANG

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EDUCATION

University of Michigan

Bachelor of Science in Engineering - Computer Science & Robotics

GPA: 4.00/4.00

Coursework: Data Structures & Algorithms, Robotics Mechanisms, Human-Robot Systems, Differential Equations, Discrete Math

Ann Arbor, MI

May 2026

Thomas Jefferson High School for Science and Technology

Advanced Studies Diploma

GPA: 4.59/4.00 • SAT: 1590

Coursework: Programming & Data Structures, Linear Algebra, Multivariable & Vector Calculus

Alexandria, VA

June 2023

WORK EXPERIENCE

Vytal AI

Software Developer

Remote

June 2023 - Present

- Developed a Minimum Viable Product in the span of 8 weeks using Next.js, MongoDB, Flask, and AWS, bringing in over 1.3M in investments
- Contribute to the startup's white paper to follow acquisition leads from NVIDIA

Yext

Software Engineering Intern

Arlington, VA

June 2022 - August 2022

- Performed Quality Assurance checks for a React component library
- Adapted the branding of Yext Search; deprecated npm packages and updated repositories
- Devised Yext Studio, a vital product for the company's Spring 2023 Release

PROJECT EXPERIENCE

MACH - Aerospace Engineering Project Team

Multidisciplinary Design Optimization Subteam

Ann Arbor, MI

August 2023 - Present

- Engineer a flight-capable aircraft to compete in the AIAA Design, Build, Fly competition
- Model subsystems of aircraft to optimize over 30 design variables

George Mason University - Aspiring Scientists Summer Internship Program

Machine Learning Researcher under Dr. Mihai Boicu

Fairfax, VA

June 2022 - August 2022

- Developed an ontology model to automate the generation of academic course curricula; presented abstract at ASSIP's annual symposium

Thomas Jefferson High School for Science and Technology

Computer Systems Researcher

Alexandria, VA

August 2022 - May 2023

- Engineered a mechanism & developed a reinforcement learning algorithm to automate the solving of the Perplexus puzzle; presented research paper at tjSTAR 2023

SKILLS

Languages: Java, Python, JavaScript, TypeScript, C++, HTML, CSS, Arduino, Jupyter Notebook

Tools/Frameworks: React.js, Next.js, Git, Node, Firebase, MongoDB, Flask, Android Studio

Subjects: Software Engineering, Machine Learning, Artificial Intelligence, Computer Vision