

Andrew Roddy

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EDUCATION

Kent State University

Bachelor of Sciences, Computer Science

4.0 GPA - Kent, OH

Aug 2024 – May 2028

EXPERIENCE

i3 Fellow

LaunchNET

Jun 2025 – Aug 2025

Kent, OH

- Presented 8-minute pitch with Q&A, highlighting business progress
- Collaborated in one-on-one sessions to refine business models
- Developed customer segments and value propositions

Host

Jr's on the Bay

May 2024 – Aug 2024

Erie, PA

- Managed seating across 5 floors
- Sold memorabilia

Intern

McDowell Manufacturing

Jan 2024 – May 2024

Erie, PA

- Measured parts with Coordinate Measuring Machine (CMM)
- Produced parts with Manual Mill and CNC machines
- Wrote and illustrated CMM and CNC usage instructions
- Designed models in Fusion 360

Host

IHOP

Jun 2023 – Oct 2023

Erie, PA

PROJECTS

Prismo | Angular, Flask, Typescript, Python

- An adaptive learning engine that customizes the computer science lab experience for each student's needs.
- Includes 51 widgets that the AI uses as tools to create fully custom labs.
- Developed Adaptive Composition Engine that can reference past user data to highlight weak points

Gomodoro | Angular, Typescript

- A pomodoro-like timer built in angular that calculates break time based on work time
- Uses the flowtime technique to calculate break times

Spotify Popularity Finder | Python

- Turn the hidden Spotify API Popularity stat into a traversable data set by artist and album

Daily Commit Tracker | C++

- An icon that sits in the Windows taskbar tray and reflects GitHub's daily commit graph

SKILLS

Programming: Angular, C++, Python, TypeScript/JavaScript

Graphics & Design: Premiere Pro, Fusion 360, Photoshop, Illustrator

ACHIEVEMENTS

Hack OHI/O 2025 | Oct 2025

Won AI Studio Track in Hack OHI/O with the project Prismo (above).

IBM Quantum Computing Qiskit Challenge | Feb 2024

Completed all five levels of IBM quantum challenges at Case Western Reserve University.

Harvard Online CS50P | Sep 2023

Completed Harvard's online Python course including ten weeks of lectures, assignments and a final project.