# **Andrew Roddy**

College computer science student with a focus on data engineering & machine learning

## Education

Kent State University (Kent Campus) Fall 2024 - Present Bachelor of Science in Computer Science - 4.0 GPA

Data Engineering Concentration

McDowell High School Fall 2020 - Spring 2024 Honors College - 4.3 GPA

# Experience

## i3 Fellow - LaunchNET June - Aug 2025

- Presented 8-minute pitch with Q&A, highlighting business progress
- Collaborated in one-on-one sessions to refine business models
   Learned effective customer service skills by interacting with customers
- Developed customer segments and value propositions
   Worked with a team to solve business challenges

# Host - Jr's on The Bay May - Aug 2024

- Managed seating across 5 floors
- Learned effective customer service skills by interacting with customers
- Sold memorabilia

## Intern - McDowell Manufacturing Jan 2024 - Mar 2024

- 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
- Manufactured sellable parts

## Host - IHOP Jun - Oct 2023

# Selected Projects

**Daily Commit Tracker -** An icon that sits in the Windows taskbar tray and reflects GitHub's daily commit graph. Programmed in C++.

Spotify Popularity Finder – Python program to turn the hidden Spotify API Popularity stat into a traversable data set based on artist or album

Gomodoro – A pomodoro-like timer built in angular that calculates break timer

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

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#### Skills

C++, JavaScript, Angular, Python, React, HTML, CSS, Premiere Pro, Photoshop, Illustrator

#### Extracurriculars

Aug 2024 - Present

Kent State Honors College Member

Aug 2024 - Present

HacKSU (Kent State CS Club) Vice President

Aug 2024 - Present

ISSO (Kent State CIS Club) Secretary

# **Applicable Courses**

- Computer Science 2: Data Structures
- CS1: Procedural / Object Oriented Programming
- AP Computer Science A
- AP Computer Science Principles

### **Certificates**

- IBM Quantum Computing Qiskit Challenge
- Harvard's Online CS50P
- Kent Creative Collaboration with Al Badge

#### Interests

Video Editing, Hiking, Graphic Design, Running, Music Production, Photography

#### References

Available upon request