

# HARKER LECROY

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## EDUCATION

### The Ohio State University

College of Engineering | BS

Columbus, OH

Expected Graduation: May 2027

- **Degree:** Computer Science and Engineering | **Minor:** Quantitative Economics

## TECHNICAL SKILLS

- **Technology:** Java, C Programming Language, Python, x86 Assembly, Git, R Programming, MATLAB, HTML, Excel
- **Language (Professional Working Proficiency):** Spanish

## PROJECT EXPERIENCE

### The Bouncer (Personal Project): Swift, iOS Development

July 2025

- Developing an iOS app alongside learning Swift that delays impulsive access to distracting apps by requiring user interaction with behavioral prompts.

### HackAI 24-hour Hackathon Challenge: Python, PandasAI

February 2024

- Built and trained an AI model to predict 2024 March Madness brackets using data from 2008-2022.

### Artificial Intelligence Emotion Recognition Model

October 2023

- Designed a Python-based emotion recognition model with the Ohio State AI Club. Began initial model training.

## WORK EXPERIENCE

### The Ohio State University College of Engineering

Columbus, OH

Teaching Assistant

January 2025 – Present

- Grader and teaching assistant for Foundations 1 (Big O notation, algorithm analysis, recurrence relations).
- Assisted 60 students in comprehension of class material while observing grading deadlines.

### CareYaya Health-Tech Startup

Remote

Software Engineering Shadow / Student Ambassador

April 2024 – January 2025

- Shadow software developers in the development of artificial intelligence tools aimed at improving home care for elderly and medically vulnerable patients.
- Conduct outreach to OSU medical students, promoting CareYaya's patient care opportunities.

### DASI Simulations

Dublin, OH

Engineering Shadow

October 2022 – January 2023

- Observed software and biomedical engineers at a health-tech startup specializing in computational predictive modeling to improve patient outcomes with structural heart disease.

### Council of Development Finance Agencies

Columbus, OH

Research Intern

June 2021 – June 2023

- Update and maintain company databases regarding membership and library information, ensuring data accuracy.
- Collaborated with remote teams on both long- and short-term projects.

## EXTRACURRICULARS

### Artificial Intelligence Club (OSU)

Columbus, OH

Outreach Committee Member

August 2023 – Present

- Contributed to a record-breaking turnout for HackAI 2024 by organizing effective student outreach campaigns.
- Participate in weekly sessions to learn more about AI and network with other students and faculty.

### Society of Women Engineers

Columbus, OH

Member

August 2023 – Present

- Engage in networking events and workshops geared towards professional development, gaining leadership skills, and empowering women in engineering at Ohio State.

### Kappa Alpha Theta – Alpha Gamma Chapter

Columbus, OH

Philanthropy Committee Member

January 2024 – Present

- Chapter representative at the Emerging Leaders Conference 2025 in Colorado.