

# HARKER LECROY

614.625.3509 | lecroyharker@gmail.com | Columbus, OH | LinkedIn, Handshake & GitHub : harkerlecroy

## EDUCATION

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### The Ohio State University

Columbus, OH

College of Engineering | BS

Expected Graduation: May 2027

- **Degree:** Computer Science and Engineering | **Minor:** Quantitative Economics
- **Relevant Coursework:** Data Structures & Algorithms, Statistics, Systems Programming, Multivariable Calculous

## TECHNICAL SKILLS

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

## PROJECT EXPERIENCE

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### The Bouncer (Personal Project): Swift, Xcode, 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, Pandas

February 2024

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

### Artificial Intelligence Emotion Recognition Model: PyTorch

October 2023

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

## WORK EXPERIENCE

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### The Ohio State University College of Engineering

Columbus, OH

Teaching Assistant – Foundations 1(Algorithm Analysis)

January 2025 – Present

- Guided 60 students in coursework regarding Big O notation, algorithm analysis, recurrence relations 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

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

## EXTRACURRICULARS

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### Artificial Intelligence Club (OSU)

Columbus, OH

Outreach Committee Member

August 2023 – Present

- Contributed to a record-breaking turnout for HackAI by organizing effective student outreach campaigns.

### Society of Women Engineers (OSU)

Columbus, OH

Member

August 2023 – Present

### Kappa Alpha Theta – Alpha Gamma Chapter

Columbus, OH

Philanthropy and DEI Committee Member

January 2024 – Present

- Selected to represent chapter at the Emerging Leaders Conference 2025 in Colorado. Started a clothes-lending program to promote financial inclusion within the chapter.