

# Ethan Savar

614-314-5288 | [ethan.savar@gmail.com](mailto:ethan.savar@gmail.com) | [linkedin.com/in/ethan-savar](https://linkedin.com/in/ethan-savar) | [github.com/e-savar](https://github.com/e-savar) | [ethansavar.com](https://ethansavar.com)

## EDUCATION

### The Ohio State University

Columbus, OH

*Honors (BS) Computer Science Engineering, (BS) Mathematics*

*May 2026*

- **Honors Integrated Business Engineering Program**
- **Relevant Coursework:** Machine Learning (Graduate), Data Structures and Algorithms, Operating Systems, Stochastic Calculus, Linear Algebra, Differential Equations, Real Analysis, Abstract Algebra, Statistics I + II

## EXPERIENCE

### JPMorganChase | *Software Engineer Intern*

June 2025 – Present

- Machine Learning for Asset and Wealth Management

### The Ohio State University | *Undergraduate Teaching Assistant*

Aug. 2024 – Present

- Developed rubrics and graded homework across 4 sections of CSE 2331: Data Structures and Algorithms

### Immuta | *Research Engineer/Scientist Intern*

May 2024 – Apr. 2025

- Optimized sensitive data discovery services by leveraging finite automata theory in Python, leading to an improvement in data classification by 36% and a decrease in error rate to less than 1%
- Developed a semantic similarity clustering model in PyTorch and matplotlib enabling hierarchical data matching
- Built a service in Typescript to generate SQL for integration testing across Snowflake, Databricks, and Redshift
- Developed a copilot evaluation tool using Python to observe variability in subject capturing and generations
- Created a generative AI synonym detection service using AWS Bedrock as part of Immuta's policy copilot

### DataLab at The Ohio State University | *Undergraduate Research Assistant*

Aug. 2023 – Dec. 2024

- Researched applications of stochastic differential equations on diffusion models for video and image generation
- Developed uncertainty calibration technique applying transformations to LLM logit outputs for determining accuracy
- Created an engine leveraging OpenCV, Python, and CLIP to analyze videos and generate scene descriptions to enable searchable indexing of relevant video segments based on text queries

## LEADERSHIP

### Scarlet Investment Group | *Founder/VP of Quantitative Finance*

Oct. 2023 – Present

- Founded to provide students with hands-on experience and interaction with investment and quantitative finance
- Led team of developers to produce and back test algorithmic trading strategies and create risk evaluation tools

## PROJECTS

### IMC Trading Prosperity 3 Algorithm | *Python*

Apr. 2025

- Developed a trading algorithm for IMC Trading's month long competition placing 79th overall and 42nd in the US

### Kernix | *C, Unix*

Dec. 2024

- Developed a Unix based kernel shell supporting core commands such as file creation, deletion and directory navigation, implementing processes, threads, mutexes, page tables, system calls and disk management
- Optimized performance by reducing command execution time through hash table lookups and caching algorithms

### WageWise (Code For Good Hackathon) | *React, Flask, SQL, HTML/CSS*

Nov. 2023

- Developed a full stack employee management and payment application that allows users to login with their username and password to view company announcements, employee benefits, and payroll information

## AWARDS

### Putnam Competition | *Placed 820th*

Dec. 2024

## TECHNICAL SKILLS

**Languages:** Python, Java, C/C++, Javascript, Typescript, SQL, HTML/CSS

**Frameworks:** React, Node.js, Flask, PyTorch

**Tools:** Git, AWS, Kubernetes, Docker, Mockaroo, Jupyter Notebooks, OpenCV