



---

 emmettbicker@gmail.com

 emmettbicker.github.io

# Emmett Bicker

Computer Science + Math

 emmettbicker

 emmettbicker

---

## EDUCATION

---

### Hunter College High School

New York City, NY

4.0 GPA, FRC Robotics Team Co-Captain, AI-Day Founder and Co-Director,

September 2017-June 2024

FTC Team Founder, Coursework: AP BC Calculus, AP Physics C: Mechanics, AP Computer Science A, AP Statistics

### Online Coursework

Virtual

Harvard's CS50x: Intro to Computer Science, Stanford's Machine Learning,

August 2021-Present

Andrew Ng's Five-Course Deep Learning Specialization, DeepLearning.AI's NLP with Attention Models

## EXPERIENCE

---

### AllianceBernstein

New York, NY

*SWE Intern / Agentic AI Development Intern*

June 2024-August 2024

- Pitched, designed, and implemented an agentic AI framework for code translation
- Implemented a C# framework that accelerated database information retrieval by 50x
- Presented demo of agentic AI framework to company leadership, including COO and Chief AI Officer

### Steel City Codes

International

*Chief Operating Officer*

August 2023-August 2024

- Led 1,000+ volunteers delivering free CS education to 5,000+ underserved youth globally
- Secured \$30,000 in partnerships with sponsors and nonprofit organizations
- Transitioned to Advisory Board after successful COO tenure

## RESEARCH

---

### SEE AI Research

Remote

*Lead Researcher, Machine Learning Lab*

July 2024-Present

- Researching advanced training methods for question-answering using data generation and reinforcement learning

### NYU Grossman School of Medicine

New York, NY

*Computational Neuroscience Research Intern, Basu Lab*

December 2022-June 2024

- Co-authored forthcoming paper in Nature Communications under Dr. Jason Moore
- Developed data visualization GUI to assess and demonstrate research tool efficacy
- Explored training computer vision models to classify different types of dendrites

## AWARDS

---

General: Presidential Volunteer Service Award: Gold (x2), HCHS Mildred Busch Award, HCHS Community Service Award  
Programming: American Computer Science League: NYC First Place, USACO Silver Division

## SKILLS

---

Languages:  Python,  Java,  HTML / CSS / JavaScript,  C#,  C/C++,  Rust,  SQL,  MATLAB

Libraries: Numpy, Pandas, PyTorch, Tensorflow, Matplotlib, LangGraph, PyTorch, PyQt5, OpenCV, Flask