

emmettbicker@gmail.com

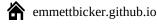
Emmett Bicker



in emmettbicker



Computer Science + Math



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

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

June 2024-August 2024

- SWE Intern / Agentic AI Development Intern
- · 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

 \cdot 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, 😈 Js HTML / CSS / JavaScript, ❷ C#, ❷ ⓒ C/C++, 📵 Rust, 🥞 SQL, → MATLAB

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