

 emmettbicker@gmail.com

 emmettbicker.github.io

# Emmett Bicker

Computer Science + Math

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## EDUCATION

### Stony Brook University

*B.S. Computer Science + B.S. Mathematics*

Stony Brook, NY

*August 2024-May 2027*

### Hunter College High School

· 4.0 GPA, FRC Robotics Team Co-Captain, AI-Day Founder and Co-Director,  
FTC Team Founder, Coursework: AP BC Calculus, AP Physics C: Mechanics, AP Computer Science A, AP Statistics

New York City, NY

*September 2017-June 2024*

### Online Coursework

Harvard's CS50x: Intro to Computer Science, Stanford's Machine Learning,  
Andrew Ng's Five-Course Deep Learning Specialization, Hugging Face Reinforcement Learning Course

Virtual

*August 2021-Present*

## EXPERIENCE

 Princeton University Remote  
*Data Visualization Project Assistant* *July 2024-Present*

- Assistant on Project awesoME! - Representing You Through the Lens of Taylor Swift
- Collaborated under the guidance of Day Yi

 SEE AI Research Remote  
*Machine Learning Research* *July 2024-Present*

 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

 NYU Grossman School of Medicine New York, NY  
*Computational Neuroscience Research Intern, Basu Lab* *December 2022-June 2024*

- Engineered interactive GUI for motion correction of calcium-imaging videos in neuroscience research
- Developed data visualization GUI to assess and demonstrate research tool efficacy
- Co-authored forthcoming paper in Nature portfolio journal under Dr. Jason Moore

 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
- Expanded program to 11 new cities across 4 countries
- Transitioned to Advisory Board after successful COO tenure

 MIT Lincoln Lab Cambridge, MA  
*Beaverworks Summer Institute: Autonomous RACECAR Course* *July 2023-August 2023*

## 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