

✉ emmettbicker@gmail.com

🏠 emmettbicker.github.io

# Emmett Bicker

Computer Science

in emmettbicker

🐙 emmettbicker

## EDUCATION

### Stony Brook University

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

Stony Brook, NY

*August 2024-May 2027*

### Hunter College High School


· 4.0 Major GPA, FRC Robotics Team Co-Captain, AI-Day Founder and Co-Director, New York City, NY  
FTC Team Founder, Coursework: AP BC Calculus, AP Physics C: Mechanics, AP Computer Science A, AP Statistics *September 2017-June 2024*


### Online Coursework


Harvard's CS50x: Intro to Computer Science, Stanford's Machine Learning, Virtual  
Andrew Ng's Five-Course Deep Learning Specialization, Hugging Face Reinforcement Learning Course *August 2021-Present*


## EXPERIENCE

 AllianceBernstein New York, NY  
*SWE Intern* *June 2024-Present*

 NYU Grossman School of Medicine New York, NY  
*Computational Neuroscience Research Intern, Basu Lab* *December 2022-Present*  
· Designed and built interactive GUI to motion correct calcium-imaging videos of mice brains.  
· Designed and built interactive GUI to visualize effectiveness of research tool  
· Co-author of upcoming paper in *Nature* portfolio under advisement of Dr. Jason Moore

 Steel City Codes International  
*Chief Operating Officer* *August 2023-Present*  
· Facilitated \$30,000 in partnerships with sponsors & other nonprofits  
· Streamlined and consolidated organizational structure for large-scale expansion  
· Expanded to 11 new cities and 2 new countries

 *Executive Director of Chapters* New York, NY  
*August 2022-August 2023*  
· Created teaching and outreach resources for chapters across the world, organized 2022 Winter Hackathon w/ 246 registrants + \$11,000 cash-value prizes, director of 2023 Spring Hack w/ 321 registrants + \$13,000 value prizes









 NYC Chapter Head and Programming Teacher New York, NY  
*October 2021-August 2023*  
· Organized free computer science classes in NYC Chapter with over 100 students.  
· Taught elementary-middle school students programming classes, cultivating their ability and interest in computer science. Followed Steel City Codes curriculum to teach Java and Python.

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

## AWARDS

Volunteering: Presidential Volunteer Service Award: Gold (x2), Hunter College High School 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, Tensorflow, Matplotlib, PyTorch, PyQt5, OpenCV, Flask