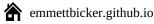


Emmett Bicker



in emmettbicker



Computer Science

emmettbicker

EDUCATION -

Stony Brook University

Stony Brook, NY

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

August 2024-May 2027

<u>Hunter College High School</u>

New York City, NY

· 4.0 Major 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, Hugging Face Reinforcement Learning Course

EXPERIENCE



AllianceBernstein SWE Intern

New York, NY

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

New York, NY

August 2022-August 2023

Executive Director of Chapters

· 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

New York, NY



NYC Chapter Head and Programming Teacher

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.

Cambridge, MA

July 2023-August 2023

Beaverworks Summer Institute: Autonomous RACECAR Course

AWARDS -

MIT Lincoln Lab

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, 🖯 🗗 Js HTML / CSS / JavaScript, 🕲 C#, 🕞 🥥 C/C++, 📵 Rust, 🖯 SQL, → MATLAB

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