

Emmett Bicker

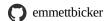


in emmettbicker



emmettbicker.github.io

Computer Science



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

- · 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-Present

- · 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



Executive Director of Chapters

New York, NY

August 2022-August 2023

- · Developed 20+ teaching resources for 50+ international chapters, reaching 5,000+ students
- · Directed 2023 Spring Hackathon: 321 participants, \$13,000 prize pool
- · Organized 2022 Winter Hackathon: 246 participants, \$11,000 in prizes



NYC Chapter Head and Programming Teacher

New York, NY

· Led NYC Chapter initiative, organizing free CS classes for 100+ students

October 2021-August 2023

- · Taught elementary and middle school students Python and Java
- · Grew region by 30%

MIT Lincoln Lab

Cambridge, MA

July 2023-August 2023

Beaverworks Summer Institute: Autonomous RACECAR Course

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, 🥫 J₃ HTML / CSS / JavaScript, ❷ C#, ❷ ♂ C/C++, 🚯 Rust, 🛢 SQL, 📣 MATLAB

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