Emmett Bicker
Computer Science

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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 Major 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

AllianceBernstein
SWE Intern
New York, NY
June 2024-Present

NYU Grossman School of Medicine
Computational Neuroscience Research Intern, Basu Lab
New York, NY
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
Chief Operating Officer
International
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
October 2021-August 2023

· Led NYC Chapter initiative, organizing free CS classes for 100+ students
· Taught elementary and middle school students Python and Java
· Grew region by 30%

MIT Lincoln Lab
Beaverworks Summer Institute: Autonomous RACECAR Course
Cambridge, MA
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