

Charlie Tharas

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EDUCATION

Williams College

Williamstown, MA

BA, Computer Science & Mathematics (expected)

Sept 2023-May 2027

Concentration in Cognitive Science (expected)

Activities: Editor, Williams Undergraduate Research Journal; Member, EphBytes

Hunter College High School

New York, NY

General Diploma

Sep 2019-Jun 2023

Activities: President, Computer Science Consortium; Tutor, Writing Center, Math Department; Writer, BITS Magazine; Member, Hunter Data Analytics for Change

Hunter College

New York, NY

Non-degree enrollment

Sep 2022-May 2023

Classes: Intro to Psychology, Relational Databases & SQL

RESEARCH EXPERIENCE

Williams Center for Learning in Action

Remote, Williamstown, MA

Transportation Researcher, Ad Hoc Transit Group

Jun 2024-Present

- Contribute to full stack development of carpool web application
- Conduct research into movement patterns in the Berkshires and potential transit solutions
- Collaborate with transportation demand management coordinator and local transit authorities to gather data and suggest transit improvements

Memorial Sloan Kettering Cancer Center

Remote, New York, NY

Data Engineering Intern, Multi-Modal Integration of Data Team

Jun 2022-Aug 2022

- Contributed to Luna platform for multi-modal oncology data analysis
- Developed computer vision models for cell feature identification
- Debugged platform set-up process on non-Unix hardware
- Developed histology data annotation software to improve model training pipeline

TEACHING EXPERIENCE

Steel City Codes

Hybrid, New York, NY

Tutor and Curriculum Manager, Various Courses

Nov 2020-Aug 2023

- Developed curricula and supplementary materials for introductory and intermediate courses primarily in Python and Java
- Designed material for workshops, summer camp courses, and after-school programs
- Conducted virtual tutoring with groups of one to ten 5-8th grade students

Hunter College High School

New York, NY

Teaching Assistant, Computer Science & Science Research Seminar

Sep 2022-Aug 2023

- Expanded high school curriculum for introductory computer science
- Graded homework and exams, taught full lessons to 9th grade students
- Taught full extracurricular lessons on data science with Python for 10-12th grade students

WORK EXPERIENCE

Williams Students Online

Williamstown, MA

Student Developer

Jan 2024-Present

- Worked with student mentors on front and back end of Williams College student website
- Implemented account synchronization and feature flags for course catalog and scheduler

LEADERSHIP & OUTREACH EXPERIENCE

Steel City Codes

Hybrid, New York, NY

National Executive Board

Nov 2021-Aug 2023

- Managed 2,000 students and \$20,000 annual budget for nationwide nonprofit, oversaw regional staffing and expansion, conducted volunteer interviews, developed STEM curricula
- Developed corporate partnerships and conducted fundraising
- Organized three virtual international hackathons with total attendance of 1,000+
- Reached out to school officials to staff and fill after-school programs and summer camps in NYC region

HONORS & AWARDS

Class of 1960s Scholar in Computer Science	2024
Nominee, Computer Science Ward Prize	2024
Scheila Glickstein Hackner Award for Dedication in the Service of Education for Others	2023
Departmental Award for Excellence in Computer Science	2023
Departmental Award for Excellence in English	2023
Recognition of Community Service Award	2022
Best Overall, HackTrin VIII	2021
2nd Place Overall, CodeQuest Stratford	2021