

# Charlie Tharas

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## EDUCATION

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**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

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**Memorial Sloan Kettering Cancer Center** 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

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**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

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## **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**

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### **Steel City Codes**

Hybrid, New York, NY

*National Executive Board*

Nov 2021-Aug 2023

- Managed 2,000 yearly students and \$20,000 yearly budget for nationwide nonprofit, oversaw regional staffing and expansion
- 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 the NYC region

## **HONORS & AWARDS**

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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