Charlie Tharas

2010 Paresky Center, Williamstown MA 01267
Email for phone # • cmt8@williams.edu • charliemax.dev

Williams College '27 seeking opportunities in data science and software engineering. Interested in sociological and urban research with an emphasis on the interdisciplinary study of urban dynamics through machine learning models, NLP-driven language analysis, critical theory, and human geography.

SKILLS

Python, Java, C, C++, Go, PostgreSQL, MySQL, GNU Octave, Git, Docker, Anaconda, Pip
TensorFlow, PyTorch, Pandas, Matplotlib, Seaborn, OpenCV

EDUCATION

Williams College | GPA: 3.86   Williamstown, MA
Computer Science & Math, Concentration in Cognitive Science (expected)   2023-2027
Relevant coursework: Computer Organization, Data Structures, Discrete Math, Multivariate Calculus, Cities Suburbs & Rural Places, Intro to Cognitive Science, Cognitive Psychology

WORK EXPERIENCE

Williams Center for Learning in Action   Remote, Williamstown, MA
Transportation Researcher, Ad Hoc Transit Group   Jun 2024-Present
Contributing to full stack development of ride-matching web application with a transportation demand management coordinator. Developing ride-matching algorithm, user interface, backend database, and REST API. Conducting research into microtransit solutions in rural areas.

Williams Students Online   Williamstown, MA
Student Developer   Jan 2024-Present
Working with student mentors on front and back end of Williams College student website (wso.williams.edu). Implemented account synchronization and feature flags for course scheduler.

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 (github.com/msk-mind/luna) open source histology and cancer detection software. Worked with a team of data engineers at MSK MIND on training unsupervised learning models for cancer cell detection. Developed lightweight .svs viewer and annotator for pathologists to aid in model training pipeline.

Steel City Codes   Hybrid, New York, NY
Various Roles, National Executive Board   Nov 2020-Aug 2023
Led operations for 2K+ annual students nationwide, oversaw organizational partnerships, conducted volunteer interviews, organized international hackathons ($15K+ in sponsorships, "Steel City Hacks" on Devpost), contacted school administrators, personally developed equitable STEM curricula, and oversaw regional recruiting, staffing, and expansion.

HONORS & AWARDS

Class of 1960s Scholar in Computer Science   2024
Nominee, Computer Science Ward Prize for Student Projects   2024
Scheila Glickstein Hackner Award for Dedication in the Service of Education for Others   2023
Hunter College High School Departmental Awards for Excellence in Computer Science and English 2023