

Mauricio Villavicencio

mauricio.i.villavicencio@gmail.com • mivillavicencio.com • he/him/his

Education

- 2026 – **Ph.D. in Computer Science**, University of Maryland, College Park
Advisor: Fumeng Yang
- 2025 – 2026 **M.S. in Computer Science**, University of Minnesota, Twin Cities
Advisor: Qianwen Wang
- 2021 – 2025 **B.S. in Computer Science**, University of Minnesota, Twin Cities
Minor in Mathematics

Publications

Peer-reviewed Conference & Journal Articles

- 2026 P1 **Not All Uncertainty Is Equal: How Uncertainty Granularity Shapes Human Verification in LLM-Assisted Decision Making**
Mauricio Villavicencio, Sitong Pan, Qianwen Wang
ACM Conference on Fairness, Accountability, and Transparency (FAccT)

Workshop Papers, Posters, & Abstracts

- 2025 A1 **Do weather, season or day of the week affect ICU admissions?**
Mauricio Villavicencio, Juan Garcia-Mendez, Brian Pickering, Daniel Diedrich, Vitaly Herasevich
Journal of Critical Care, 86, 154959

Experience

Research Experience

- 2026 – **Graduate Researcher**, FIGX Lab, University of Maryland, College Park
Advisor: Fumeng Yang
Explored GenAI-user behavior under time-stress.
- 2025 – 2026 **Graduate Researcher**, Visual Intelligence Lab, University of Minnesota, Twin Cities
Advisor: Qianwen Wang
Investigated user behavior on LLM usage under uncertainty.
- 2024 **Research Intern**, Clinical Informatics Lab, Mayo Clinic
Advisor: Vitaly Herasevich
Developed ML algorithms for ICU admissions and pulmonary disease.
- 2023 – 2024 **Undergraduate Research Intern**, Vipin Kumar Lab, University of Minnesota, Twin Cities
Advisor: Vipin Kumar
Assisted in development of deep learning algorithms for lake detection.

Industry Experience

2026 **Software Engineer Intern**, Boston Scientific
Interventional Oncology & Embolization
Built image segmentation models for brain & liver tumors.

Teaching Experience

Teaching Assistantships

2026 **CMSC 422**: Introduction to Machine Learning
Instructor: Mohammad Nayeem Teli
University of Maryland, College Park

2025 **CSCI 4511W**: Introduction to Artificial Intelligence
Instructor: Maria Gini
University of Minnesota, Twin Cities

2022 – 2023 **CSCI 2011**: Discrete Structures of Computer Science
Instructor: Cole Wyeth, James Moen
University of Minnesota, Twin Cities

Awards, Fellowships & Scholarships

Fellowships & Scholarships

2026 Dean's Fellowship
University of Maryland, College Park

2023 NSF-REU Research Fellowship
Vipin Kumar Lab - University of Minnesota, Twin Cities

2023 Mayo Foundation Scholarship
Mayo Foundation

2023 Waller Scholarship
University of Minnesota, Twin Cities

2021 Presidential Scholarship
University of Minnesota, Twin Cities

2021 National Scholarship
University of Minnesota, Twin Cities

Awards & Honors

2025 Phi Beta Kappa Honor Society
University of Minnesota, Twin Cities