Maite Kramarz

Education

University of Toronto   **Toronto, Canada**
M.Sc., Computer Science, advisor Prof. Ningning Xie   *September 2024 – current*

McGill University   **Montreal, Canada**
B.A., Computer Science   *August 2020 – April 2024*

Industry

Morgan Stanley   **Montreal, Canada**
Software Engineer Intern   *May 2022 – August 2022*

- Developed and maintained an in-house programming language for querying log files, as well as an IDE for executing queries in that language.

Teaching

University of Toronto   **Toronto, Canada**
CSC 324 – Principles of Programming Languages (TA)   *August 2024 – December 2024*

McGill University   **Montreal, Canada**
COMP 302 – Programming Languages and Paradigms (TA)   *August 2023 – April 2024*
COMP 230 – Logic and Computability (TA)   *August 2022 – December 2022*

Publications

(1) Li-yao Xia, Laura Israel, **Maite Kramarz**, Nicholas Coltharp, Koen Claessen, Stephanie Weirich, and Yao Li. 2024. *Story of Your Lazy Function's Life: A Bidirectional Demand Semantics for Mechanized Cost Analysis of Lazy Programs*. Proc. ACM Program. Lang. 8, ICFP, Article 237 (August 2024), 34 pages. https://doi.org/10.1145/3674626

Talks

(1) **Bidirectional Demand Semantics for Lazy Programs**   **Toronto, Canada**
    U of T Programming Languages Group   *September 2024*
(2) **Bidirectional Demand Semantics for Lazy Programs**   **Montreal, Canada**
    McGill Computation and Logic Group   *June 2023*

Awards and Programs

NSF Research Experiences for Undergraduates in Programming Languages   *June 2023*

- Selected to participate in the inaugural iteration of this program, which aims to increase the participation of marginalized groups in programming languages research, supported by the NSF ($6000.00 USD).

- Conducted research and attended talks with professors and graduate students at the host institution, the University of Pennsylvania.

NSERC Undergraduate Student Research Award (*declined*) *May 2023*

- Summer research on program equivalence checking under the direction of Prof. Brigitte Pientka at McGill University ($8700.00 CAD).

Google Computer Science Research Mentorship Program *January 2023*

- Research mentorship program which pairs Google mentors with students who are interested in pursuing research in computer science.

Tomlinson Engagement Award for Mentoring *August 2022*

- Award to improve quality of undergraduate instruction by serving as a teaching assistant for an undergraduate course ($300.00 CAD).

Service

Conferences:

Student Volunteer, ICFP 2024 *August 2024*
Student Volunteer, PLDI 2023 *June 2023*

Other:

Coordinator, McGill Bridge Mentorship Program *August 2023 – April 2024*