Maite Kramarz

Education

McGill University **Montreal, Canada**
B.A., Computer Science (3.85/4.00 GPA) *August 2020 – current*

Research

University of Pennsylvania **Philadelphia, PA**
Resource Usage of Lazy Functional Programs *May 2023 – August 2023*

- Studied novel mechanized proof techniques for amortized analysis of lazy programs.
- Created formalized proofs of resource usage bounds for lazy functional programs in Coq.

McGill University **Montreal, Canada**
Program Equivalence for Novice Functional Programs *August 2022 – May 2023*

- Wrote undergraduate thesis based on research analyzing effectiveness of program equivalence techniques on student-created programs.
- Created infrastructure for collecting student code samples, testing scripts, and a transpiler from the source language to the language supported by the equivalence checker.

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

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

Awards and Programs

Programming Languages Mentoring Workshop Scholarship *June 2023*
NSF Research Experiences for Undergraduates in Programming Languages *June 2023*
NSERC Undergraduate Student Research Award (*declined*) *May 2023*
Google Computer Science Research Mentorship Program *January 2023*
Tomlinson Engagement Award for Mentoring *August 2022*
Perseverance Award for Women in Computer Science *March 2022*