

Maria José Solano

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EDUCATION

B.Sc.: Mathematics and Computer Science, First Class Honours

McGill University - Montréal, Canada

Sep 2017 - Dec 2021

- Awards: James McGill entrance scholarship, Dr. Brian C. Smith Prize, Faculty of Science Scholarship, Women Associates Of McGill Scholarship, Dean's Honour List prize.
- GPA: 3.87 / 4.0

Bachillerato Colombiano (High School Diploma)

Gimnasio Portales - Bogotá, Colombia

Jun 2017

- Recipient of the Portales Profile and Academic Excellence graduation awards.
- Situated in the 100th percentile of the ICFES examination.

TEACHING AND RESEARCH

Teaching Assistant (TA)

McGill University - Montréal, Canada

Jan 2019 - Present

Holds office hours, manages tutorial/practice sessions, invigilates midterm and final examinations, among other tasks.

- Courses: Foundations of programming (COMP202), Introduction to computer science (COMP250), Introduction to Software Systems (COMP206)
- Recipient of the Computer Science Teaching Assistant award for winter 2021

FUSR Participant

Fields Institute - Toronto, Canada

Jul 2019 - Aug 2019

Involved in the research of similarity measures to analyze mood symptom time series data, focusing on characterizing how time series of major depression and bipolar disorder symptoms cluster. The results were published in the [Journal of Affective Disorders](#).

- Part of the Fields Undergraduate Summer Research Program (FUSR)
- Supervisor: Dr. David Kreindler

Research Assistant

McGill University - Montréal, Canada

May 2020 - September 2020

Explored bisimulation metrics for reinforcement learning, building on MDPs (Markov decision processes), estimating the new metrics from offline samples, and using methods of real analysis and probability.

- Supervisor: Prakash Panangaden
- Sponsored by Joelle Pineau (NSERC research award)

WORK EXPERIENCE

Software engineer

Microsoft - Vancouver, Canada

Feb 2022 - Present

Engineer at the Developer's Division, JavaScript Tooling and TypeScript team.

Software engineering intern (Windows)

Microsoft - Montréal, QC

Jun 2021 - Aug 2021

Implementer of a web component that previews a progressive web app on different platforms based on their web manifest. The tool was incorporated to the [PWABuilder](#)

[website](#), and is also available as an open-source project. In addition, also delivered a [Windows 11 simulator](#) that reproduces the experience of such websites on the new operating system.

Summer intern (environment, health and safety department)

Kruger Inc. - Montréal, Canada

Jul 2018 - Aug 2018

Responsible for the data analysis from several surveys, as well as collaborating in minor department projects (creation of data banks, translation of documents).

References

Available upon request.