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 - Dec 2021
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 Sofware Systems (COMP206)
- Recipient of the Computer Science Teaching Assistant award for winter 2021

FUSRP 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 (FUSRP)
- 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 II
Microsoft - Seattle WA, United States
Feb 2022 - Present
Engineer at the Developer's Division, working on editor tooling for JavaScript and TypeScript development.

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.