# LAURA M MADRID

## SOFTWARE ENGINEER


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## PROFILE

I am currently a second-year student at the University of Toronto pursuing a Specialist in Computer Science and a minor in Business, Science and Entrepreneurship. Coding, learning languages, creating and learning from others makes me happy.
I aspire towards a career where I can work on projects that will bring a positive impact to our society.

## EDUCATION

Honours BSc.
Computer Science
University of Toronto
*Expected to graduate in 2024*

## PROGRAMMING LANGUAGES

**PROFICIENT**
Python
Java
HTML & CSS

**FAMILIAR**
Swift

**EXPOSURE**
Javascript

## FRAMEWORKS/ LIBRARIES

Gatsby
Contentful
Scrapy

**TOOLS**
Firebase
Microsoft Azure

## PRODUCT & DESIGN TOOLS

Adobe Creative Suite
Autodesk Sketchbook
Figma
Balsamiq
Canva

## LANGUAGES

Spanish
French
Italian

## EXPERIENCE

### Product Marketing Management Intern | Microsoft

July 2019 - August 2019

Member of a selected team of students tasked to :

- Create a **PowerApps Inventory Management Platform** which reduced the request processing time for marketing materials
- Demo the PowerApps Inventory Management Platform at the **Microsoft National Annual General Meeting**
- Explore PowerApps, **Power BI**, and the **Azure Platform** through weekly tasks

## PROJECTS

### SPiiRL

June 2018 - June 2019 || March 2021 - Present
IOS app implemented in **Swift** with the goal to create a stronger, more mainstream world for Women's Sports

- Pitched the App at the **2018 Student's Apple Developer Conference**
- Used **Firebase** for login authetication
- Parsed Fifa and National Women's Hockey League RSS Feeds for the home page

### Dog Illness Prevention Project

July 2020 - August 2020
Joined the "Wisc Up a side project" program at the UTM Women In Science & Computing (WISC) club to learn new skills with a partner and a mentor

- Used the Stanford Dogs Image Dataset to build an **image recognition model** using **Python**
- Learned to make a **web crawler** using **Scrapy** and cleaned the data for information about a breed's history, life span, potential diseases and symptoms
- Used **repl.it** to work simultaneously on the project with my partner

### Truth Table Generator

May 2020
Learned to make truth tables during the Intro to Mathematical Proofs Course (MAT102) and automated the tedious process

- Created a **Python** program to evaluate logical statements with up to five inputs in the format: P, Q, R, S, T
- The truth tables are printed in Binary or T/F format

## EXTRA CURRICULAR ACTIVITIES

### Events & Communications Coordinator | UTM Robotics

April 2020 - Present

- Rebuilt the current **UTM Robotics Website** with **Gatsby, Contentful, HTML & CSS, Javascript**
- Creating content to teach students **introductory robotics concepts**
- Reaching out to external club members, graduate students and professors for collaborations and event plans
- Creating content to promote club initiaves and market events on social media