

LAURA M MADRID

SOFTWARE ENGINEER



Laura Maldonado Madrid



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PROFILE

I am currently a second-year Computer Science Specialist at the University of Toronto. Coding, learning languages, creating and learning from others makes me really 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
Javascript

EXPOSURE

Typescript

FRAMEWORKS/ LIBRARIES

React
Gatsby
Contentful
Scrapy
PowerApps

TOOLS

Firebase
Microsoft Azure

PRODUCT & DESIGN TOOLS

Adobe Creative Suite
Autodesk Sketchbook
Figma
Balsamiq
Canva

LANGUAGES

Spanish
French
Italian

EXPERIENCE

Software Development Intern | Tiary Inc.

June 2021 - Present

- Renovated the Blog, FAQ, Checkout Complete and Order Tracking pages using **React**
- Created a **Python** program to clean up the main user data file from unsubscribed and bounced emails
- Working on the new Tiary Studios info site using **Javascript**, **Gatsby** and **GraphQL**

Product Marketing Management Intern | Microsoft

July 2019 - August 2019

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

PROJECTS

Math Flashcard Generator

June 2021 - Present

- Creating a **Python** diagnostics tool alongside Professor Micheal Pawliuk for students to build strong mathematical foundations
- Implementing a flashcard queue to optimize student learning based on their confidence score, number of attempts and the time taken per flashcard

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 authentication
- Parsed Fifa and National Women's Hockey League RSS Feeds for the home page

Truth Table Generator

May 2020

- Created a **Python** program to transform logical statements with up to five inputs (P, Q,R,S,T) into Binary or True/False truth tables

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

EXTRA CURRICULAR ACTIVITIES

Technical Officer | UTM Robotics

June 2021 - Present

- Working alongside my team to build infrastructure and deploy automated ai competition games
- Planning the project on Figma and working on the frontend using React

Events & Communications Coordinator | UTM Robotics

April 2020 - May 2021

- Rebuilt the current **UTM Robotics Website** with **Gatsby**, **Contentful**, **HTML & CSS**, **Javascript**
- Connected with external club members, graduate students and professors for collaborations
- Produced content to promote events on social media and introduce students to robotics