LAURA M MADRID

SOFTWARE ENGINEER

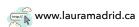


📠 Laura Maldonado Madrid





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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
- Demoed 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
- Implemeting 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 authetication
- 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