

# MICHAEL MARSILLO

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## Education

### Wilfrid Laurier University

*Bachelor of Science in Computer Science, Minor in Statistics, Co-op Program*

Waterloo, ON

Sep. 2023 – Aug. 2027

- **Clubs:** Laurier Computing Society, Laurier Cybersecurity Club
- **Related Credits:** Data Structures 1 and 2, Object Oriented Programming, Microprocessors, Advanced Calculus (1, 2, and 3), Discrete Mathematics, Linear Algebra

## Technical Skills

**Languages:** Python, Java, JavaScript, HTML, CSS, C

**Frameworks:** React, Next.js, Tailwind, Node.js, FastAPI

**Developer Tools:** Linux, Git, GitHub, Docker, Markdown, Visual Studio Code, PyCharm, Eclipse

**Libraries:** PyPDF2, SpaCy, pdf-lib, tkinter

## Projects

### 🔗 CVLens | *Web Application*

*Python, Next.js, Tailwind, FastAPI, SpaCy, Docker, AWS, Git*

- Developed a **web app** that extracts structured data from uploaded resumes (**PDF/DOCX**) to automate the application process, eliminating the need for manual data entry.
- **Leveraged NLP model SpaCy with NER** to accurately extract resume details, such as contact information, education, skills, and work experience creating a dataset with **200+** resumes
- Developed **API gateway to trigger AWS Lambda function** that processes resume and returns JSON.
- Designed clean and **easy to use frontend with Next.js** that fetches the data from the **API gateway**.

### 🔗 MarxPDF | *Web Application*

*React, JavaScript, HTML, CSS, pdf-lib, Git*

- Shipped a **web app to automate PDF form filling**, streamlining the manual form filling process at Utility Marx to **boost productivity and increase daily ticket completion for 40+ employees**.
- Utilized **pdf-lib** to read, manipulate, and populate data in PDFs based on predefined ticket input data.
- Designed a clean, **user-friendly frontend with React**, allowing users to trigger the **PDF filling process**.
- Used **Git** for version control, ensuring smooth collaboration and development throughout the project.

### MaxContributionCalculator | *Script*

*Python, Git*

- Designed a **user-friendly tool to automate** the calculation of available **TFSA** contribution room for Canadians, enhancing the ease of managing contributions/investments.
- Used **Python** to perform **automatic calculations** based on government-set TFSA contribution limits and unused room carried forward from previous years.
- Incorporated **logic** to handle various different contribution scenarios, offering flexibility for diverse account history.
- Ensured script's **robustness** by **validating** input data and providing **clear feedback to users** for reliable results.

## Experience

### Utility Locate Technician

April 2024 – Present

*Utility Marx*

*Hamilton, ON*

- Provided remote **IT support** by accessing **company laptops** to assist employees across Ontario with **software updates** and **FRA installations**, ensuring reliable record keeping for quality locates
- Precisely identified and marked underground utilities (**gas, water, electric, telecommunication**) using advanced equipment, ensuring safety and accuracy of **excavation projects**
- Interpreted **utility engineered** documents ensuring detailed locates, **minimizing risk** to infrastructure **damage**
- Used **Teldig** software to design **blueprints** with exact **measurements of utilities**, to comply with regulations

### Produce Clerk

July 2021 – Aug. 2023

*Sobeys Inc.*

*Ancaster, ON*

- **Trained and mentored** team members, ensuring adherence to policies and fostering a collaborative environment
- Independently **managed customer orders**, stocking, and closing procedures in a **fast-paced environment**, demonstrating strong **problem-solving skills** under pressure.
- **Managed preparation and presentation** of fresh produce, including tagging, labeling, and organizing of stock
- Stayed **informed** on offers, products, and policies to **enhance** the shopping experience and assistance of customers