

# Michael Marsillo

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## EDUCATION

### Wilfrid Laurier University

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

Waterloo, ON

Sep. 2023 – April 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 | *Python, Next.js, Tailwind, FastAPI, SpaCy, Docker, AWS, Git*

**Web App**

- Created a **web app** to extract structured data from uploaded resumes in **PDF/DOCX** formats
- **Leveraged NLP model SpaCy with NER** to accurately extract resume details, such as contact information, education, skills, and work experience
- 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

### RPAforPDF | *React, JavaScript, HTML, CSS, pdf-lib, Git*

**Web App**

- Developed a **web app** to **automate PDF form filling**, streamlining a manual process at Utility Marx to **boost productivity** and **increase daily ticket completion**
- Utilized **pdf-lib** to read, manipulate, and populate data in PDFs based on predefined 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 | *Python, Git*

**Script**

- Used **Python** to perform **automatic calculations** based on government-set contribution limits and unused room carried forward from previous years
- Developed a **user-friendly** tool to **automate** the calculation of available **TFSA** contribution room for Canadians, enhancing the ease of managing contributions
- 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

Utility Marx

April 2024 – Present

Hamilton, ON

- Provided remote **IT support** by accessing **company laptops** and assisting with **software updates and installations** for employees across Ontario
- Used **Teldig software** to design detailed **blueprints** with exact **measurements**, to comply with regulations
- 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 accurate locates, **minimizing risk** to infrastructure **damage**

### Produce Clerk

Sobeys Inc.

July 2021 – Aug. 2023

Ancaster, ON

- **Trained and mentored** team members, ensuring adherence to policies and fostering a collaborative environment
- **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
- Thrived in a **fast-paced environment**, showcasing strong **problem-solving** abilities **under pressure**