

# Simo Hakim

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French, English



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## ABOUT

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Passionate about building innovative solutions, with hands-on experience from challenging projects at the University of Montreal, I seek a position to apply and grow my skills in real-world projects.

## SKILLS

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**Programming:** Python, Java, C++, C#, Lua, HTML/CSS, Javascript, Typescript, Julia, Flutter, Dart

**Data:** PowerBI, Tensorflow, PyTorch, Pandas, Numpy, Django, SQL, Firebase, PowerBI, Excel

**Miscellaneous:** Git, Android Studio, Arduino/ESP32, Raspberry Pi, SketchUp, Photoshop, LaTeX, Agile

## EDUCATION

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### University of Montreal

*B.Sc. in Computer Sciences*

2021 - 2024

Currently pursuing, with a focus on Data Science and Cybersecurity.

### University of Montreal

*Certificate in Applied Computer Sciences*

2022 - 2023

Completed as part-time evening courses alongside my role at LXT AI, for ongoing academic development.

## WORK EXPERIENCE

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### LXT AI

Montreal, QC

*QA Engineer*

2022 - 2023

- Oversaw a team of 20, upholding high-quality standards in big data processing, closely aligned with client objectives
- Led initiatives to enhance workflows and data processing pipelines, resulting in improved efficiency and accuracy
- Developed and implemented tools and trainings that reduced error rates by 20%

### Canada Computers

Montreal, QC

*Supervisor*

2019 - 2021

Driven by a fervent interest in hardware and cutting-edge technologies, leveraged product knowledge and interpersonal skills to deliver exemplary customer experience while aligning with management expectations.

### AEDIROUM (Student Association)

Montreal, QC

*Deputy Internal VP + Graduating Students Representative*

2023 - Present

Engaged in my student association as the representative for graduating students and as a member of the Representation Committee, contributing to the advocacy and support of student interests and needs

## PROJECTS

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### ResumeTurbo.com

- Developed "ResumeTurbo.com", a dynamic online resume generator.
- Utilized SwiftLaTeX, a WebAssembly LaTeX Compiler, for real-time LaTeX rendering, enabling users to see instant previews of their resumes as they input their information.
- Integrated Mozilla's PDF.js for cross-platform PDF viewing capabilities.

### ASCII Sign Language Classification (Kaggle)

- Participated in a Kaggle competition to classify sign language images and secured the 1st place among competitors.
- Implemented Random Forest and CNN models, utilizing XGBoost for enhanced performance

### Classification of Extreme Weather Events (Kaggle)

- Engaged in a Kaggle competition aimed at the detection and classification of extreme weather events using climate data.
- Developed models using logistic regression, SVM linear, and XGBoost.

### SimoHakim.com + Generator

- Made a Python tool to generate portfolio websites based on a single JSON file. An example is SimoHakim.com, my own personal website to showcase my professional portfolio and academic background.

### Solar Flare Detection via Radio Blackouts Phenomenon

- Currently building an ML model to locally detect solar flares in real-time by monitoring radio frequencies (5-25 MHz).