

# Aziz Hidri

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## EDUCATION

### Polytechnique Montréal

Bachelor of Software Engineering, Specialization in Artificial Intelligence and Data Science

Montréal, QC

2023 – 2026

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript/TypeScript, PHP, PostgreSQL; Familiar with C++, Java and Go

**Algorithms & Math:** BFS, DFS, Dijkstra, A\*; Machine Learning and Natural Language Processing; Calculus, Linear Algebra, Probability and Statistics, Optimization

**Frameworks:** React, Angular, Next.js, NestJS, Symfony, Laravel, FastAPI, TensorFlow, Scikit-learn

**Developer Tools:** Git, GitLab, Docker, WSL, VS Code, IntelliJ, Eclipse, Jupyter Notebook, CI/CD pipelines

**Databases:** MongoDB, Firebase, PostgreSQL, Doctrine ORM

**Other:** Data Analysis, Agile Development, Software Design, Debugging, Linux development environment, Computer Networks

## EXPERIENCE

### Software Developer Intern

May 2025 – August 2025

*Poslik*

- Designed and implemented an inventory management module, **improving consistency between physical and digital inventories**, by building core entities (stores, units, ingredients, products, orders) using PHP, Symfony, PostgreSQL
- Built a transaction service, reducing stock-related errors by 20%, through validation of ingredient availability, **real-time adjustments**, and automated stock decrements
- Introduced a granular permission system, streamlining access control across multiple modules, with role-based authorization and Symfony voters
- Contributed to food-cost calculation features, enhancing cost accuracy per product and category, by managing FIFO-based stock logic and dynamic unit pricing
- Collaborated in an **Agile team** using **GitLab** and Slack; worked with **Docker**, **WSL**, and **CI/CD pipelines** to improve environment stability and deployment reliability

### Web Developer

September 2024 – February 2025

*PolyOrbite (Student Association)*

- Developed and maintained the organization's website using React (TSX), Next.js, and Tailwind CSS, creating a modern, responsive interface
- Implemented interactive features for Rover and Education pages, improving user engagement and accessibility
- Contributed to showcasing PolyOrbite's projects and mission, aligning technical achievements with organizational goals

## PERSONAL PROJECTS

### SkinAI : Mobile ML Application (In progress) | *React Native, TensorFlow, Scikit-learn*

GitHub 

- Developed a convolutional neural network for **skin lesion risk classification**, achieving strong validation performance and focusing on **real-world image robustness**
- Currently integrating the model into a **mobile application** with on-device inference, camera input, and user guidance, emphasizing privacy, usability, and ethical constraints (non-diagnostic use)

### Cloud-Native Microservices Platform (In progress) | *Go, Kubernetes, Docker, Grafana*

GitHub 

- Designing a **distributed blogging platform** composed of independent services (Auth, Posts, Analytics) communicating via asynchronous events
- Implementing containerized services with **API Gateway routing**, message broker integration, and Kubernetes-based orchestration, focusing on scalability, observability, and fault tolerance