

# Maksym Lan

+1 204 509 1227 | [lanmaksym@gmail.com](mailto:lanmaksym@gmail.com) | [linkedin.com/in/maksym-lan](https://www.linkedin.com/in/maksym-lan) | [github.com/MaxLan-dev](https://github.com/MaxLan-dev)

## EDUCATION

### University of Manitoba

*Bachelor of Computer Science, Minor in Mathematics and Statistics*

Winnipeg, MB

Jan. 2023 – Aug. 2025

## EXPERIENCE

### AI software developer Intern

*Resilient AG*

Aug. 2024 – Present

Winnipeg, MB, CA

- Independently designed and developed a Retrieval-Augmented Generation (RAG) MVP, integrating large language models (LLMs) like LLAMA 3.1 to provide accurate, contextually relevant outputs for agricultural applications.
- Built a backend system using Django and Qdrant to manage RAG outputs, enabling efficient storage and retrieval pipelines tailored to agricultural datasets.
- Developed and deployed a web application using Django to host the RAG-powered AI model, enabling seamless real-time interaction with agricultural-specific LLM outputs.

### Vice President

*University of Manitoba Artificial Intelligence Club*

May 2024 – Present

Winnipeg, MB, CA

- Spearheaded neural network competitions and hands-on AI projects, engaging 200+ students and fostering practical machine learning experience.
- Organized and led 5+ workshops and events, increasing student participation by 60% and featuring industry professionals from leading AI companies.
- Led a team of 6 co-executives to manage events, partnerships, and budgets, ensuring club operations ran smoothly.

### Co-founder/Vice President

*University of Manitoba Programming Projects Club*

Nov. 2023 – Present

Winnipeg, MB, CA

- Coordinated real-world application programming events and workshops, benefiting 50+ participants per session.
- Mentored 5+ project teams in developing and deploying applications.
- Acted as a spokesperson for the club, building relationships with local tech firms and university departments.

### CEO/Developer

*Prowir*

Apr. 2020 – Jan. 2021

Lviv, Ukraine

- Led the design and development of the startup's MVP, independently driving all phases of the product life cycle from concept to implementation.
- Engineered the core SaaS platform using TypeScript and JavaScript, implementing modular features to support scalability and ease of future iterations.
- Developed a responsive and user-centric website to showcase the MVP's features, leveraging modern web technologies to ensure performance and scalability.

## PROJECTS

### Maximum Masses of Neutron Stars | *Python, Pandas, Matplotlib, Numpy, Git*

Nov. 2019 – Mar. 2020

- Analyzed neutron star mass distributions using Python libraries, producing kernel density estimates that provided insights into mass trends over the past decade.
- Automated data processing pipelines to handle datasets with 1,000+ entries.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/Typescript, C/C++, Java, R, SQL.

**AI/ML tools:** TensorFlow, Keras, HuggingFace, PyTorch LangChain, Qdrant, Llama-index, NumPy.

**Web Development:** Django, React/ReactNative, Redux, HTML/CSS.

**Developer Tools:** Git, Docker, Linux, Shell, LaTeX, Microsoft Office, VS Code, Visual Studio.

**Soft Skills:** Leadership, Teamwork, Time Management, Problem-Solving, Presentation, Documentation.