

Adam Kamel

+1 (647) 887 1178 | atkamel@uwaterloo.ca | [linkedin.com/in/adamkamel/](https://www.linkedin.com/in/adamkamel/) | github.com/LegendaryAKx3

EDUCATION

University of Waterloo

Bachelor of Software Engineering

Waterloo, ON

2025 - 2030

EXPERIENCE

Software Engineering Intern

Lynkr

May 2025 – Sep. 2025

Toronto, ON

- Developed cookbooks using Langchain demonstrating the usage of integrations for AI agents
- Improved accuracy of mapping natural language to service endpoints by 28% by improving keyword selection and implementing a multi-step search approach with text embeddings
- Implemented connections for 30+ external service endpoints using FastAPI and test cases for 200+ integrated services endpoints using PyTest

Artificial Intelligence Junior Researcher

Algoverse

May 2025 – Sep. 2025

Remote

- Co-authored a research paper on LLM internal world representations (currently under review at EMNLP and NEURIPS workshops)
- Developed a procedure to generate realistic poker games using Monte Carlo simulations to power heuristics based game agents, with my code used to generate over 3 million games
- Trained an LLM based on the GPT-2 architecture on poker hand data
- Probed LLM internal states to demonstrate developed understanding of both simple and complex game variables

Tennis Coach

Dunlace Park Tennis Club

May 2021 – May 2025

Toronto, ON

- Delivered high-quality group coaching to 200+ youth athletes over three tennis seasons by leading structured lessons, ensuring safety and tailoring instruction to varying skill levels
- Coordinated with 5+ coaching staff to standardize lesson structures and drills and organize program-wide tournaments and group activities

Web Developer

Hope for Hearing

Sept 2023 – June 2024

Toronto, ON

- Developed a modern website and content management system using Flask, customized to meet organization needs

PROJECTS

SpeedShield | *Python, Scikit-Learn, Git*

June 2025

- Developed a machine learning model to find optimal speed camera placement locations in Toronto
- Parsed public City of Toronto traffic data to create a training dataset
- Achieved an accuracy of 95 percent on validation dataset of existing cameras, demonstrating model alignment with existing placement criteria
- Created informative visualizations and an interactive frontend to display results

Grade Calculator | *Next.js, Javascript, HTML, CSS, Git*

Sep 2024

- Developed a grade calculator webapp targeted towards high school students calculating averages for university
- Deployed the webapp which was then used by 100+ classmates, receiving strong positive feedback
- Iterated on user feedback, implementing new features and calculation modes

TECHNICAL SKILLS

Languages: Python, Javascript, SQL, HTML/CSS

Frameworks and Libraries: Flask, FastAPI, PyTorch, Langchain, PyTest, Matplotlib

Developer Tools: Git, Docker, VS Code, Postman