

ALEXIE LINARDATOS

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EDUCATION

Master of Computer Science, Ontario Tech University Aug 2026
Bachelor of Computer Science (Minor: Mathematics), Ontario Tech University 2019–2024

SKILLS

Languages/Tools Python, C/C++, SQL, JavaScript, Git, Linux/Windows, Conda, Slurm
ML/GPU PyTorch, TensorFlow, ONNX, CLIP, BLIP-2, Stable Diffusion, CUDA profiling

RESEARCH EXPERIENCE

Research Assistant – Vision & Computational Lab (VC Lab) Sept 2024 – Present
Ontario Tech University — Oshawa, ON

- GPU-based AI acceleration and hallucination detection for VLMs (PyTorch, CLIP/BLIP-2, Stable Diffusion).
- Performance profiling and HPC execution on Slurm and local RTX hardware.

EXPERIENCE

Software Developer – Order Processing System (PostgreSQL, Python) Jan 2026
Alexie Technical Solutions

- Built a PostgreSQL-backed order processing system used by call intake and manufacturing teams for daily operations.
- Implemented orders/customers/status workflows plus search/reporting to reduce manual tracking and improve handoffs.

Teaching Assistant – Computer Science Sept 2024 – Present
Ontario Tech University

- Support Machine Learning and Systems Development courses; assist with debugging and performance analysis.
- Create Python/C++ exercises emphasizing efficient implementation and inference.

ViaLab Coordinator Apr 2022 – May 2023
Ontario Tech University

- Managed expense tracking for HCI research projects; reduced costs by 10% via automated Excel workflows.

Data Scientist Jan 2021 – Jan 2022
Ontario Power Generation

- Operated Boston Dynamics robot on-site in a nuclear facility for safer inspection of radiation zones.
- Built Excel/Python automation for data retrieval, saving 30+ minutes per check.

SELECTED PROJECT

ESREAL Vision-Language Pipeline (PyTorch, CUDA, Slurm) — GPU-optimized CLIP/BLIP-2/Stable Diffusion pipeline with HPC runs and profiling.

LEADERSHIP

Varsity Rowing (4 years); Vice President of Athletics Committee; **Mentor of the Year (2024)**.