

Robert Pevec

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RELEVANT EXPERIENCE

AI Software Engineer Intern | Appficiency (askcipher.com) | Toronto, ON Sep 2025 - Apr 2026

- Developed an agentic web vision agent using Playwright and LangGraph to automate CRM tasks, achieving 95% task completion through iterative LLM reasoning.
- Engineered a passive learning layer using Neo4j and vector embeddings to index successful execution paths, reducing average query time by 30 seconds and cutting token costs by 25%.
- Developed a multi-agent orchestration layer for 10+ bizapps, integrating custom OAuth 2.0 flows and backend API toolsets to remove context bloat and boost consistency across secure automated workflows.

Full-Stack Software Engineer | Whizi.io | Waterloo, ON Sep 2024 - Dec 2024

- Deployed machine learning models with Python (Scikit-learn, TensorFlow, Pandas, NumPy) to process 200+ AI models.
- Optimized 50,000+ monthly LLM calls via asynchronous FastAPI middleware, achieving sub 200ms response times.
- Engineered modular Next.js dashboards with Shadcn/UI to ensure a scalable and consistent user interface.

Full-Stack Developer Intern | Sampler | Toronto, ON Jan 2024 - Apr 2024

- Enhanced website performance, achieving a 20% reduction in load times through advanced React.js techniques.
- Integrated database-driven dynamic content in React, enabling real-time loading of user dashboards and media.
- Built internal CLI tools and Dockerized services to accelerate the launch of high-volume brand campaigns.

PROJECTS

Nex Connect | Influencer Marketing Marketplace for Brand-Creator Collaborations

- Engineered a real-time messaging system via WebSockets for instant communication between brands and creators.
- Developed a vector search engine fueled by profile data scrapers to match brands with relevant creators.
- Implemented OAuth 2.0 for 5+ social platforms to verify creator identities and secure cross-platform data access.

Luminary AI | AI-Powered B2B Sales & Outreach Agent

- Built an ephemeral IAM DB layer to sync data to client DynamoDB, ensuring the platform never stores user data.
- Created 100+ bizapp OAuth integrations with AWS Bedrock LLMs to automate autonomous B2B sales workflows.
- Integrated Stripe for secure subscription billing and automated payment processing for global B2B clients.

Clip Genius | AI-Powered Sports Highlight Generator

- Integrated FAISS vector search and NeMo ASR, enabling relevant moment detection for 3-hour videos in > 3 minutes.
- Used OpenCV, PyTesseract, and Hough Transform for real-time scoreboard detection with 90%+ accuracy.
- Designed a multi-threaded processing pipeline using Python multiprocessing, reducing generation time by 75%.

Mechanical Keyboard Kickstarter and Business

- Launched a successful Kickstarter campaign, selling over \$30,000 worth of products in 30 days.
- Programmed firmware using C to customize key mapping, macros, and lighting effects.
- Designed PCB layouts in Eagle and utilized SolidWorks for case prototyping and design.

EDUCATION

Wilfrid Laurier University | Waterloo, ON Sep 2023 - Apr 2027

BSc in Computer Science & Mathematics

Relevant Courses: Data Structures II, Software Engineering, OOP, Calculus II (uWaterloo), Linear Algebra II, Probability I.

- Authored an Academic Paper on Bias in AI Using Machine Learning Under a Professor.
- Vice President of the University Chess Club

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, TypeScript, Flutter, SQL, HTML, CSS

Frameworks/Tools: PostgreSQL, AWS, React, Next.js, Jupyter Notebook, Git, Django, Power BI, Docker, LanGraph/LangChain

Certifications: Stanford Machine Learning Specialization, Web Developer Bootcamp, AWS Certified Developer - (In Progress)