Myron Ladyjenko

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Professional Summary

Proficient software engineer with **2+** years of experience across all stages of the development lifecycle
Demonstrated technical and collaborative skills through **5+** coding competitions, **4** hackathons, and **10+** projects
Adaptable and self-driven with a proven ability to quickly master new technologies and build scalable systems

Experience

University of Guelph **Sep 2025 - Present**
Teaching Assistant - Object Oriented Programming, Java *Guelph, ON*
- Conducted office hours to help students master **OOP** concepts and clarify **SOLID** principles

Oracle NetSuite **May 2025 - Aug 2025**
Software Engineering Intern *Kitchener, ON*
- Delivered and showcased advanced pricing features to empower **42,000+** NetSuite customers with flexible price rules
- Developed **Java 21** services using **Dependency Injection** and **SOLID** principles to enable rule-based pricing
- Built **PL/SQL** procedures integrated with **Oracle DB** to ensure asynchronous price updates across millions of items

SAP **Jan 2025 - Apr 2025**
Cloud Infrastructure Developer Intern *Waterloo, ON*
- Improved a Kubernetes operator's performance by introducing multiprocessing in **Python**, reducing startup time by **80%** and deploying globally across production landscapes managed by Gardener
- Evaluated Vertical Pod Autoscaler (VPA) for **optimizing CPU and memory** usage through in-cluster testing under different workloads; presented findings, leading to a decision to defer adoption for SAP HANA Cloud Data Lake services

University of Guelph **Sep 2024 - Dec 2024**
Undergraduate Research Assistant *Guelph, ON*
- Developed heuristics in **C++** to enhance A* algorithm efficiency during the FPGA routing stage

NCR Voyix **Jan 2024 - Aug 2024**
Software Engineering Intern *Waterloo, ON*
- Secured **70%** market share with **600+** financial institution branches and **13000** ITMs globally by delivering essential reporting capabilities for terminal activity and balances
- Designed and deployed high-performance containerized Spring Boot microservices using **Java 17** on GCP, architected using the **Strategy pattern** and **Plugin Architecture** to maximize system flexibility and extensibility
- Adopted multithreaded architecture for backend services to reduce report generation and upload times by **40%**
- Built a Spring Boot JWT authorization service using Spring Security and Kubernetes secrets, securing Google Cloud Storage access and integrating with NGINX for token validation in a report retrieval workflow
- Enhanced **UX** for **1000+** bank tellers by enabling dynamic, customizable reporting through parameterized SQL queries

NCR **May 2023 - Dec 2023**
Backend Java Developer Intern *Waterloo, ON*
- Delivered software for teller cash recyclers for **8+** major financial institutions
- Optimized bank teller UX by empowering clients to execute pivotal operations like secure money transfers and interbranch cash shipments through real-time data streaming with WebSockets, reducing latency by **99.9%**
- Developed backend transaction services empowering tellers to execute secure cash recycler operations, by implementing Spring Boot REST APIs alongside Node.js transaction flows and data management with Cassandra
- Automated microservice deployments with Jenkins CI/CD, accelerating releases via Maven builds and Helm charts

University of Guelph **Sep 2022 - May 2023**
Lead Teaching Assistant *Guelph, ON*
- Led in-person labs, delivered a **400**-person lecture on recursion, and taught C, Linux and graph theory concepts

BlackBerry QNX **May 2022 - Aug 2022**
Software Developer Intern *Ottawa, ON*
- Decreased unit test runtime by **80%** using parallel execution with the fastcov Python utility
- Implemented comprehensive system-level and regression tests in **C** for embedded Unix-like QNX platform
- Achieved **100%** code coverage, ensuring reliability and robustness across tested components

Skills

- **Languages**: Java, Python, SQL, C, C++, TypeScript, Go
- **Tools**: Docker, Kubernetes, GCP, AWS, Gardener, REST API, Kafka, Git, Maven, Jenkins, Google Cloud Pub/Sub, Redis, PostgreSQL, Cassandra, Oracle DB
- **Frameworks**: Spring Boot, Hibernate, Warp, Flask, Node.js, Guice, Angular, PyTorch, YOLOv11, JUnit
- **Techniques**: SOLID Principles, Design Patterns, Distributed and Parallel Systems Architecture, Relational Database Design, Kubernetes Operator & Autoscaling (HPA, VPA) Development, Cloud-Native Monitoring, Agile
- **Interests**: Bouldering, Table Tennis, Volleyball, World Geography, Downhill Skiing, Biathlon

Projects

Climbing Route Classification | *Python, PyTorch, GPU, YOLOv11, Mask R-CNN* **Sep 2024 - Nov 2024**

- Set up and trained machine learning models **YOLOv11** and **Mask R-CNN** (Detectron2) on a 4.3k image climbing dataset for automated holds and routes detection
- Applied **K-Means** and **DBSCAN** clustering with **Gaussian blur** preprocessing for color-based route classification

BlocBond - Best Google Tech Hack Winner | *Flask, Next.js, GCP, Vercel, Google APIs* **May 2024**

- Hosted a full-stack climbing app with **10+ features**, including gym search, route rating and colorblind accessibility

Eon: University Voting | *Flask, Javascript, HTML, CSS* **Jan 2024 - Apr 2024**

- Built a Bitcoin-based blockchain from scratch, integrating **5+** cryptographic algorithms to secure university club voting
- Implemented RSA Blind Signature protocol for confidential elections in a proof-of-concept system for **100+** students

Education

University of Guelph **Sep 2021 - Expected Apr 2026**

Bachelor of Computing, Major Computer Science Minor Business Economics *GPA: 4.0/4.0 (96%)*

- **Relevant courses**: Data Science, Algorithms, Networks, Parallel Programming, Linear Algebra II, Investments

Competitions and Awards

Dr. Mary McLeish Scholarship - Highest GPA across first 6 semesters (CS) **Oct 2025**

Oracle Certified Professional: Java SE 21 Developer **August 2025**

Google Developer Student Club Hacks - Winner of 'The Best Google Hack' award **May 2024**

D2L Scholarships in Computer Science - Highest GPA in Software Engineering **Sep 2024**

Guelph LeetCode Competition - 1st Place, 2nd Place **Feb 2024, 2023**

Hackathon Solution - Secure Value Transfers, patented by NCR Voyix **Dec 2023**

Runner-up for 'Co-op Student of the Year' award at University of Guelph **Dec 2023**

Silver Medalist - International Tournament of Young Mathematicians **Jul 2019**