# 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+** self-driven projects
Adaptable and self-driven with a proven ability to quickly master new technologies and build scalable systems

## Skills

- **Languages**: Java, Python, SQL, C, C++, TypeScript, Go, Bash
- **Tools**: Docker, Kubernetes, AWS, GCP, Gardener, REST API, Kafka, Redis, PostgreSQL, Cassandra, Grafana
- **Frameworks**: Spring Boot, Flask, Node.js, React, Next.js, Angular, PyTorch
- **Techniques**: SOLID Principles, Design Patterns, Distributed Systems Architecture, Relational Database Design, Kubernetes Operator & Autoscaling (HPA, VPA) Development, Cloud-Native Monitoring, Agile
- **Interests**: Bouldering, Table Tennis, Volleyball, World Geography, Biathlon, Ski Jumping

## Experience

**Oracle**                                                                          **May 2025 - Present**
*Software Engineering Intern*                                                       *Kitchener, ON*

- Building a pricing feature on NetSuite (Java 21), enabling customers to set promotional pricing over custom date ranges

**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 a heuristic in C++ to optimize FPGA routing by reducing A* algorithm runtime by **20%**

**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 Teacher Assistant*                                                              *Guelph, ON*
- Led in-person labs, delivered a **400**-person lecture on recursion, and taught C 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, achieving **100%** code coverage

## Projects

🔗 **BlocBond - Best Google Tech Hack Winner** | *Flask, Next.js, GCP, Vercel, Google APIs*          **May 2024**
- Hosted a social-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 Software Engineering Minor Business Economics*          *GPA: 4.0/4.0 (96%)*

## Competitions and Awards

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| **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 'eNCRyptPay - Secured Payment Innovation', patented by NCR** | **Dec 2023** |
| **Runner-up for 'Co-op Student of the Year' award at University of Guelph** | **Dec 2023** |
| **International Tournament of Young Mathematicians - Silver Medalist** | **Jul 2019** |