

# 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

<b>Oracle NetSuite</b> <i>Software Engineering Intern</i>	<b>May 2025 - Aug 2025</b> <i>Kitchener, ON</i>
<ul style="list-style-type: none"><li>Delivered and showcased critical advanced pricing features for the upcoming <b>November release</b>, set to empower <b>42,000+</b> NetSuite customers with flexible rule-based pricing and greater control over promotional strategies</li><li>Built <b>Java 21</b> components with <b>PL/SQL</b> procedures using <b>Dependency Injection</b> and <b>Liskov Substitution principle</b> to enable asynchronous price updates, scaling to millions of items and thousands of customer groups</li></ul>	
<b>SAP</b> <i>Cloud Infrastructure Developer Intern</i>	<b>Jan 2025 - Apr 2025</b> <i>Waterloo, ON</i>
<ul style="list-style-type: none"><li>Improved a Kubernetes operator's performance by introducing multiprocessing in Python, reducing startup time by <b>80%</b> and deploying globally across production landscapes managed by Gardener</li><li>Evaluated Vertical Pod Autoscaler (VPA) for <b>optimizing CPU and memory</b> usage through in-cluster testing under different workloads; presented findings, leading to a decision to defer adoption for SAP HANA Cloud Data Lake services</li></ul>	
<b>University of Guelph</b> <i>Undergraduate Research Assistant</i>	<b>Sep 2024 - Dec 2024</b> <i>Guelph, ON</i>
<ul style="list-style-type: none"><li>Developed heuristic in C++ to enhance A* algorithm efficiency during the FPGA routing stage</li></ul>	
<b>NCR Voyix</b> <i>Software Engineering Intern</i>	<b>Jan 2024 - Aug 2024</b> <i>Waterloo, ON</i>
<ul style="list-style-type: none"><li>Secured <b>70%</b> market share with <b>600+</b> financial institution branches and <b>13000</b> ATMs globally by delivering essential reporting capabilities for terminal activity and balances</li><li>Designed and deployed high-performance containerized Spring Boot microservices using <b>Java 17</b> on GCP, architected using the <b>Strategy pattern</b> and <b>Plugin Architecture</b> to maximize system flexibility and extensibility</li><li>Adopted multithreaded architecture for backend services to reduce report generation and upload times by <b>40%</b></li><li>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</li><li>Enhanced <b>UX</b> for <b>1000+</b> bank tellers by enabling dynamic, customizable reporting through parameterized SQL queries</li></ul>	
<b>NCR</b> <i>Backend Java Developer Intern</i>	<b>May 2023 - Dec 2023</b> <i>Waterloo, ON</i>
<ul style="list-style-type: none"><li>Delivered software for teller cash recyclers for <b>8+</b> major financial institutions</li><li>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 <b>99.9%</b></li><li>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</li><li>Automated microservice deployments with Jenkins CI/CD, accelerating releases via Maven builds and Helm charts</li></ul>	
<b>University of Guelph</b> <i>Lead Teacher Assistant</i>	<b>Sep 2022 - May 2023</b> <i>Guelph, ON</i>
<ul style="list-style-type: none"><li>Led in-person labs, delivered a <b>400</b>-person lecture on recursion, and taught C, Linux and graph theory concepts</li></ul>	
<b>BlackBerry QNX</b> <i>Software Developer Intern</i>	<b>May 2022 - Aug 2022</b> <i>Ottawa, ON</i>
<ul style="list-style-type: none"><li>Decreased unit test runtime by <b>80%</b> using parallel execution with the fastcov Python utility</li><li>Implemented comprehensive system-level and regression tests in <b>C</b> for embedded Unix-like QNX platform</li><li>Achieved <b>100%</b> code coverage, ensuring reliability and robustness across tested components</li></ul>	

## Skills

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- **Languages:** Java, Python, SQL, C, C++, TypeScript, Go
- **Tools:** Docker, Kubernetes, GCP, AWS, S3, Gardener, REST API, Kafka, Git, Maven, Jenkins, Google Cloud Pub/Sub, Redis, PostgreSQL, Cassandra, Oracle DB
- **Frameworks:** Spring Boot, Hibernate, Flask, Node.js, Guice, Next.js, 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, Biathlon, Ski Jumping

## Projects

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 <b>Climbing Route Classification</b>   <i>Python, PyTorch, YOLOv11, Mask R-CNN, Roboflow</i>	<b>Sep 2024 - Nov 2024</b>
• Set up and trained machine learning models <b>YOLOv11</b> and <b>Mask R-CNN</b> (Detectron2) on a 4.3k image climbing dataset for automated holds and routes detection	
• Applied <b>K-Means</b> and <b>DBSCAN</b> clustering with <b>Gaussian blur</b> preprocessing for color-based route classification	
 <b>BlocBond - Best Google Tech Hack Winner</b>   <i>Flask, Next.js, GCP, Vercel, Google APIs</i>	<b>May 2024</b>
• Hosted a full-stack climbing app with <b>10+</b> features, including gym search, route rating and colorblind accessibility	
 <b>Eon: University Voting</b>   <i>Flask, Javascript, HTML, CSS</i>	<b>Jan 2024 - Apr 2024</b>
• Built a Bitcoin-based blockchain from scratch, integrating <b>5+</b> cryptographic algorithms to secure university club voting	
• Implemented RSA Blind Signature protocol for confidential elections in a proof-of-concept system for <b>100+</b> students	

## Education

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<b>University of Guelph</b>	<b>Sep 2021 - Expected Apr 2026</b>
<i>Bachelor of Computing, Major Software Engineering Minor Business Economics</i>	<i>GPA: 4.0/4.0 (96%)</i>
• <b>Relevant courses:</b> Computational Intelligence, Data Structures, Algorithms, Parallel Programming, Linear Algebra	

## Competitions and Awards

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 <b>Oracle Certified Professional: Java SE 21 Developer</b>	<b>August 2025</b>
<b>Google Developer Student Club Hacks</b> - Winner of 'The Best Google Hack' award	<b>May 2024</b>
<b>D2L Scholarships in Computer Science</b> - Highest GPA in Software Engineering	<b>Sep 2024</b>
<b>Guelph LeetCode Competition</b> - 1st Place, 2nd Place	<b>Feb 2024, 2023</b>
 <b>Hackathon Solution - Secure Value Transfers</b> , patented by NCR Voyix	<b>Dec 2023</b>
<b>Runner-up for 'Co-op Student of the Year'</b> award at University of Guelph	<b>Dec 2023</b>
<b>Silver Medalist - International Tournament of Young Mathematicians</b>	<b>Jul 2019</b>