

# Rinor Komorani

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## Education

**University of New Brunswick** – BS in Computer Science, Minor in Chemistry, GPA: 4.0

Expected May 2027

## Skills

**Languages:** Java, Python, C, Ruby, TypeScript, JavaScript, SQL, Bash, HTML/CSS

**Frameworks:** React, Angular, Node.js, Ruby on Rails

**Tools:** Git, GitLab, Docker, Kubernetes, AWS, Linux, Splunk, Jira

## Experience

**Associate Software Engineer (Co-op)**, Introhive – Fredericton, NB

Jan 2026 – Aug 2026

- Engineered and deployed address normalization and backfill logic in a Ruby on Rails CRM platform, correcting malformed UK address data across 45+ production environments and 2.8M+ records with automated collision handling and rollback tracking
- Resolved 15+ production issues across backend models, background jobs, and CRM digest generation, improving system reliability for 200+ enterprise accounts

**Robotics & Programming Coach**, STEMBlock – Fredericton, NB

Sept 2025 – Dec 2025

- Led weekly robotics and Python coaching sessions for 20+ students, designing competition prep curriculum that advanced teams to regional robotics events

**Security Analyst Intern**, J.D. Irving, Limited – Fredericton, NB

Jan 2025 – April 2025

- Developed and deployed a Python script on Azure integrating Imperva and Qualys SSL APIs, automating monthly domain security assessments and reducing processing time from 10 hours to minutes
- Performed security assessments on 30+ applications using OWASP Top 10, resolving vulnerabilities within a 48-hour turnaround

**Co-op Associate Software Engineer**, Introhive – Fredericton, NB

Sept 2024 – Dec 2024

- Led Angular 16 to 17 migration for a core enterprise application, refactoring 50,000+ lines of code across 200+ components while maintaining 98% test coverage
- Identified and patched 15+ critical CVEs flagged by Dependabot — including XSS and RCE vulnerabilities — hardening the security posture of a production enterprise application

**Teaching Assistant**, University of New Brunswick – Fredericton, NB

May 2024 – Dec 2025

- Supported 200+ students across 6 core CS courses (Java, C, databases) through labs, office hours, and individualized tutoring, earning a Faculty Teaching Award for a measurable 20% increase in average course performance

**Co-op Software Developer**, Populus Global Solutions Inc. – Fredericton, NB

Sept 2023 – Dec 2023

- Developed a web-based prescription management system using Java, TypeScript, SQL, and Angular, eliminating prescription errors for 1,500+ healthcare professionals across Belize and Barbados
- Triaged and resolved 100+ Jira tickets, cutting the ticket backlog by 30% and saving 50+ hours of development time
- Integrated JUnit testing framework from scratch and authored unit tests across the existing codebase, raising code coverage from near-zero to 80%

**Instructor and Course Developer**, University of New Brunswick – Fredericton, NB

June 2023 – Sept 2023

- Featured on CBC National News for teaching an AI and Machine Learning in Python course to high school students, reaching an audience of over 6 million viewers nationwide
- Led interactive p5.js workshops for 150+ students, teaching HTML, CSS, and JavaScript to create 20+ web projects, resulting in a 95% positive feedback rate

## Projects

**Froggo's Daily Facts**

[github.com/rkomoran/frog-bot](https://github.com/rkomoran/frog-bot)

- Developed a Python-based Discord bot using the Discord API to fetch and deliver daily facts, support user-configurable channels, and generate frog-related content with images
- Published on top.gg, gaining 100+ users with a 5-star rating within the first month of release
- Maintained 99.9% uptime by deploying on AWS EC2 with automated restart protocols

**Artificial Intelligence and Machine Learning Course**

[cbc.ca/unb.artificial-intelligence-camp](https://cbc.ca/unb.artificial-intelligence-camp)

- Created and taught a comprehensive AI and Machine Learning curriculum for a university programming camp, covered by CBC National TV reaching 6 million+ viewers

## Activities

**CyberSci Regionals 2024**

- Achieved third place in a competitive regional CTF challenge among 11 teams from top Atlantic Canadian universities