

Jessica Goldrin

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SKILLS

Programming: C++, Go, Python, C, Kotlin, JavaScript, SCSS, R

Technologies: Apache Kafka, AWS, REST APIs, Git, Linux, Figma, Kubernetes, JSON, React, Docker, Pandas, JavaFX

EDUCATION

University of Waterloo

Sep 2020 - Aug 2025

Computer Science, Bachelor of Computer Science - BCS.

Courses: Human-Computer Interaction, Object-Oriented Programming, Algorithms, Data Structures, Operating Systems

Certifications: AWS Certified Cloud Practitioner (CLF-C01)

EXPERIENCE

Software Developer Intern - Arctic Wolf Networks

Jan 2024 - Apr 2024

- Successfully migrated a vital Go repository from AWS SDK V1 to V2, resulting in a 50% reduction in CPU utilisation. Rewrote 25+ related automation unit and integration tests.
- Resolved system crashes by ensuring Kafka offsets are not committed in case of failed workflow initiation in Go, increasing system stability by 5%. Implemented robust error handling for graceful program termination and validated the solution through automated unit testing.
- Spearheaded spike by investigating and designing solution to scalability concerns by transitioning from individual Kafka consumers per topic to a single consumer dynamically listening for new topics in Go.

Android Developer Intern - 1Password

Sep 2022 - Dec 2022

- Orchestrated a comprehensive UI/UX redesign in Kotlin, adhering to Figma specifications to elevate user experience for 5 million+ users.
- Increased user navigation speed by 25% by redesigning and implementing user flows in Kotlin using Android SDK.
- Resolved 500+ support tickets by implementing drag and drop functionality in Kotlin, resulting in increased user engagement and satisfaction.
- Transformed UI to facilitate smoother navigation between dialogs and to correct popup flow in Kotlin.

Android Developer Intern - Rogers Communications

Jan 2022 - Apr 2022

- Enhanced experience for 1 million+ users by identifying and rectifying inconsistencies in icons across applications, ensuring a seamless and visually cohesive interface, done in Kotlin.
- Optimised user satisfaction by troubleshooting and resolving a critical issue causing crashes when users attempted to share videos with contacts.
- Investigated and fixed spontaneous load failure in the application suite, in Kotlin.

PROJECTS

ATM | C++, <https://github.com/jessica-goldrin/ATM>

- Developed an ATM program in C++ which allowed users to create accounts, log in securely, deposit, withdraw, and check balances.
- Implemented menu-driven interfaces and account management functionalities to simulate banking operations.

Unicorn Ubers | AWS

- Deployed and hosted dynamic and serverless web application which enabled users to request unicorn uber rides.
- Developed a backend process which handled unicorn dispatching using Lambda, and DynamoDB.
- Built and deployed a publicly-accessible RESTful API using API Gateway and Lambda.