

Jessica Goldrin

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Fourth-year computer science student with a robust understanding of fundamental CS principles. Eager to apply knowledge and skills across diverse domains, including cloud computing, artificial intelligence, machine learning, and cybersecurity.

SKILLS

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

Technologies: Kafka, AWS, Kubernetes, Linux, React, Git, Figma, JavaFX, Pandas

EDUCATION

University of Waterloo

Sep 2020 - Present

Computer Science, Bachelor of Computer Science - BCS.

Relevant courses: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems

Certifications: AWS Certified Cloud Practitioner (CLF-C01)

EXPERIENCE

Arctic Wolf Networks

Jan 2024 - Apr 2024

Software Developer Intern

- Address scalability concerns by investigating a solution which optimized the Kafka consumer creation process by transitioning from individual consumers per topic to a single consumer dynamically listening for new topics
- Successfully migrated a vital repository from AWS SDK for Go V1 to V2, entailing code adaptation for compatibility. Conducted necessary refactoring, consulting documentation for guidance on addressing V1-specific tools absent in V2
- Resolved system crashes by addressing a Kafka offset commitment issue, ensuring offsets are not committed in case of failed workflow initiation. Implemented robust error handling for graceful program termination and validated the solution through unit testing, replicating error conditions

1Password

Sep 2022 - Dec 2022

Application Developer Intern

- Implemented highly requested drag and drop functionality for list items
- Redesigned UI according to Figma specification by adding and removing UI elements, and altering layouts to increase visual appeal and improve user experience
- Transformed UI to facilitate smoother navigation between dialogs and to correct popup flow
- Authored code which constructed and displayed lists modelled on back-end data
- Investigated and resolved data loss

Rogers Communications

Jan 2022 - Apr 2022

Android Developer Intern

- Improved functionality and cosmetic appearance of mobile radio and news apps
- Located and removed faulty files to make weather icons across apps consistent
- Resolved crash that occurred when user tried to share video with contacts
- Investigated why feed did not load on first opening of some apps

PROJECTS

Digital Portfolio | AWS

- Deployed and hosted highly-available WordPress digital portfolio using EC2, RDS, Route 53, ASG and VPC

Unicorn Ubers | AWS

- Deployed and hosted dynamic and serverless web application which enabled users to request unicorn uber rides
- Hosted static resources (HTML, CSS, Javascript, images) with built-in continuous deployment using Amplify Console
- Deployed pages that allowed customers to sign up as a new user, confirm their email address, and log in using Cognito
- 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