

# Delara Shamanian

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## EDUCATION

### University of Calgary

Calgary, AB

*Bachelor of Science, Computer Science (GPA 3.8)*

*December 2023*

- Honors and Awards: Dean's List 2019-2023, SPIE Bursary, William Robert Grainger Undergraduate Bursary, President's Admission Scholarship
- Coursework: Principles of Computer Security(C/C++), Information Theory & Security, Introduction to Software Engineer (Java, JUnit), Computer Networks (C/C++), Compiler Construction (C/C++), Data Base Management Systems (SQL, Flask), Data Structures Algorithms and Their Analysis (C/C++), Design and Analysis of Algorithms I, Explorations in Information Security and Privacy, Introduction to Cryptography (Python), Introduction to Computer Science I and II (Python, Java), Principles of Operating Systems (C/C++)

## WORK EXPERIENCE

### Stream Systems Ltd.

Calgary, AB

*DevOps Intern*

*May 2022 - Present*

- Effectively orchestrated and managed containerized applications on Kubernetes, ensuring seamless deployment, scaling, and maintenance of microservices
- Played a pivotal role in automating the CI/CD pipeline using Jenkins, streamlining the software delivery process and reducing manual interventions, which resulted in increased efficiency and reliability
- Explored various testing techniques for microservices to support the QA lead in implementing automated testing for our services

### Mitacs and University of Calgary

Calgary, AB

*Research Intern*

*August 2020 - December 2020*

- Completed a project based on Cloud Computing Security and Game Theory where a security attack on a cloud environment was modelled as a game to discover Nash equilibria
- Reviewed and analyzed related papers to find patterns and expand relevant results
- Presented the result of the research to a group of 5 supervisors and students

## LEADERSHIP EXPERIENCE

### University of Calgary Information Security Club

Calgary, AB

*VP Tech*

*October 2020 - May 2023*

- Administer the cloud Infrastructure for the club's annual capture the flag (CTF) competition MagpieCTF 2022 and 2023
- Improve and transition current cloud infrastructure from Digital Ocean to Amazon Web Services
- Compose Terraform scripts to automate hosting challenges for magpieCTF 2022 and magpieCTF 2023
- Collaborated with the executive team to design and host the website for magpieCTF 2022
- Built and Delivered a hands-on workshop on frequently used networks and fuzzing tools

## SKILLS & INTERESTS

**Skills:** Docker | Kuebnetes | Amazon Web Services (AWS) | Digital Ocean | Terraform | Bash | Jenkins | SQL | Python | C/C++ | Java | JavaScript | HTML | CSS | REACT

**Interests:** DevSecOps, Cloud Infrastructure, Information Security, Painting, Watercolor, Reading