

# Delara Shamanian

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## EDUCATION

### University of Calgary

Calgary, AB

*Bachelor of Science, Computer Science (GPA 3.9)*

*Graduation Date: June 2024*

- Honors and Awards: Dean's List 2019/2020 and 2020/2021, William Robert Grainger Undergraduate Bursary, President's Admission Scholarship
- Coursework: 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

### Mathrpo Learning Center Inc.

Calgary, AB

*Tutor*

*November 2019 - Present*

- Assist High School and University students with subjects such as Calculus, Chemistry, and Statistics to expand their knowledge and achieve their academic goals
- Assign relevant homework to elevate students' performance
- Monitor and report students' progress in the form of a written progress report and adjust lesson plans where necessary

### Mitacs and University of Calgary

Calgary, AB

*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 modeled 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

*Director*

*October 2020 - Present*

- Administer the cloud Infrastructure for the club's annual capture the flag (CTF) competition MagpieCTF 2022
- Improve and transition current cloud infrastructure from Digital Ocean to Amazon Web Services
- Compose Terraform scripts to automate hosting challenges for MagpieCTF 2022
- 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 | Amazon Web Services (AWS) | Digital Ocean | Terraform | SQL | Python | C/C++ | Java | JavaScript

**Interests:** DevOps, DevSecOps, Cloud Infrastructure, Painting, Watercolor, Reading