Delara Shamanian

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EDUCATION

University of Calgary   **Calgary, AB**
Bachelor of Science, Computer Science (GPA 3.9)   *Graduation Date: May 2025*

- Honors and Awards: Dean's List 2019/2020 and 2020/2021, William Robert Grainger Undergraduate Bursary, President's Admission Scholarship
- Coursework: 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**
Developer/QA Intern   *May 2022 - Present*

- Assist system administrator with improvement and management of our cloud infrstaturce
- Collaborate with the back-end development team to achieve MVP goals
- Coded Bash scripts to automate the creation of new services as well as enhance already setup automation pipeline
- Researched and Explored various Testing techniques for Microservice to assist the QA lead with setting up automated tests 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 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**
VP Tech   *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 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 | Kuebrnetes | 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