# ANTON DAVID GUAMAN DAVILA

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in Anton David Guaman Davila

St. John's, NL, Canada

# **EDUCATION**

### Bachelor of Computer Engineering (Co-op) Program

**Memorial University of Newfoundland** 

Sep 2020 - Present

St. John's, NL

Academic Term VI, Class of 2025

# WORK EXPERIENCE

### Co-op Engineering Student

#### Office of the Chief Information Officer (OCIO)

May 2023 - Aug 2023

St.John's, NL (Hybrid)

- Migrated two reporting applications to Oracle APEX, improving user experience and accessibility
- Leveraged SQL for effective data manipulation, extraction, and reporting using joins. Successfully optimized query performance, reducing execution time from 8 minutes to 3 minutes through strategic indexing and the implementation of materialized views
- Documented project progress, solutions, and best practices for APEX tools, ensuring valuable future references and knowledge sharing
- Revised and enhanced the existing disaster recovery plan document for the two migrated applications

# Co-op Engineering Student

### **National Research Council Canada (NRC)**

₩ Sep 2022 - Dec 2022

Ottawa, ON (Remote)

- Enhanced PSPC EMIS dashboard by upgrading and optimizing code according to standardized guidelines, ensuring improved readability and maintainability
- Developed Java classes in Maven and Eclipse to convert Criteria Query code into HQL, enabling efficient retrieval of metered information. Conducted JUnit tests to verify query accuracy

### Co-op Engineering Student

#### Office of the Chief Information Officer (OCIO)

🛗 Jan 2022 - Apr 2022

St.John's, NL (Remote)

- Upgraded the Fisheries, Forestry, and Agriculture department's Seafood Products Directory web application using ASP.Net framework, enhancing its functionality
- Completed front-end development tasks, including HTML and Classic ASP organization, CSS styling with grid, flexbox, fluid, and responsive layouts, and JavaScript enhancements for improved user interactivity and navigation

#### Resident Assistant

#### Student Residences, MUN

🛗 Jan 2022 - Present

St. John's, NL

- Fostered a secure, inclusive living-learning environment, supporting residents in academics, personal growth, and community engagement
- Developed and implemented Residence Life activities, fostering a positive and engaging residential community

# **EXTRACURRICULARS**

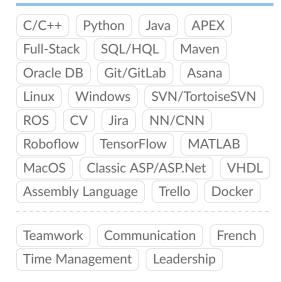
# Software Team

#### Iceberg ASV 🏩

May 2022 - Present ♥ St. John's, NL

- Code development for Autonomous Surface Vehicle (ASV) using ROS on Linux
- Set up Nvidia TX2, Lidar, and Intel RealSense hardware to enable navigation and object detection in aquatic environments
- Utilized RoboFlow to develop a YOLOv5 object detection model for objects in aquatic environments
- Recognized as a Finalist and Rookie of the Year in the Roboboat 2023 competition

# **SKILLS**



# HONORS



Verafin Inc. Computer Engineering Scholarship



Faculty of Engineering Dean's List

# **CERTIFICATIONS**

- DeepLearning.Al Certifications
  - Intro to TensorFlow for AI, ML, and DL
  - CNN in TensorFlow
  - Custom Models, Layers, and Loss Functions with TensorFlow
- Google Certifications
  - Foundations of Cybersecurity
  - Manage Security Risks
- Network Security [CISCO]
- Fundamentals of Network Communication [CU]
- Docker for beginners [Coursera]