

# REVAN MACQUEEN

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## EXPERIENCE

2021—2023

### GRADUATE RESEARCH ASSISTANT FELLOWSHIP — UNIVERSITY OF ALBERTA

Developed mathematical guarantees for machine learning algorithms in multi-agent settings.

2022—2023

### PROGRAM DELIVERY SUPPORT - FACILITATION (WORK INTEGRATED LEARNING OPPORTUNITY)— ALBERTA MACHINE INTELLIGENCE INSTITUTE (AMII)

Delivered Amii's introductory machine learning course, ML Foundations. Additionally, facilitated discussion about ethics and artificial intelligence for the Canadian Information Office Strategy Council's Ethics Workshop.

2021—2022

### MACHINE LEARNING INTERN — AMII

Partnered with an industrial client in implementing a reinforcement learning based hyperparameter tuning system. The resulting system outperformed the existing system and was described as a "huge success".

2018—2020

### RESEARCH ASSISTANT — UNIVERSITY OF ALBERTA

Developed game-theoretic model to optimally strategize for detecting malware. Work was presented to an industrial research lab.

## EDUCATION

2020—2023

### MSC. (THESIS) IN COMPUTING SCIENCE — UNIVERSITY OF ALBERTA

GPA: 4.0

Awards: Alberta Graduate Excellence Scholarship, Alberta Innovates Graduate Student Scholarship, NSERC CGSM.

2015—2020

### BSC. (HONORS) IN COMPUTING SCIENCE — UNIVERSITY OF ALBERTA

GPA: 3.8

Awards: First class honors, NSERC Undergraduate Student Research Award.

## TECHNICAL SKILLS

- Experienced Python programmer (5 years).
- Mathematical modelling and reasoning.
- Proficient with commonly used Python libraries for machine learning.
- Experience in machine learning research with top-tier publications.
- Capable of large-scale evaluation of algorithms on computing clusters.

## OTHER SKILLS

- Effective collaborator with team-oriented workstyle.
- Active and curious learner.
- Oral, written and graphical communication skills.
- Critical and analytical thinking.