

DANIEL MARKUSSON

CONTACT

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EDUCATION

High School

Crestwood Preparatory College

Class of 2025

Certification

CS50 AI Harvard University

2023-2024

SKILLS

3D Design

XGBoost

Pandas Dataframes

TensorFlow

Git

Web Development

Confident Public Speaker

Engaging Leadership Style

PROGRAMMING LANGUAGES

C

C#

JavaScript

HTML/CSS

C++

Python

Java

SQL

PROFILE

Reliable, hard-working, award-winning programmer with 5 years of experience of programming. Creative, out of the box thinker who is self-motivated and works collaboratively in teams. Passionate about designing software, constantly seeking to learn and improve my skills with formal course work and self-directed study.

EXPERIENCE

Royal Bank of Canada — 2024

Innovation Developer Summer Intern

- Worked in a team of 4 to create an interactive and customizable onboarding page for new developers
 - Planned and workshopped with designers and IT to ensure accurate information and a consistent look and feel
 - Presented project to senior executives within the bank, including the CTO
 - Saved an estimated 40 hours of onboarding time for new developers
- Improved the front-end of the developer portal
 - Worked with the DevOps team within RBC to refine the look and feel of the developer portal tool
 - Rebased frontend to use RBC's style framework, ensuring cross-site consistency

A Minimal Approach to Fake News Detection — 2024

Research Paper

- Wrote paper outlining various machine learning (ML) approaches to fake news detection, and presented a novel approach
 - Developed skills around the academic publishing process
- Managed large database using the pandas dataframe data structure
- Used XGBoost to create a ML model that can identify fake news 71% of the time
 - Gained experience with gradient boosting algorithms and hyperparameter tuning when creating the model
- Refined my communication abilities through the paper creation process
 - Considered how to present my findings in a way that was clear and concise
- Presented my work at [Polygence Symposium of Rising Scholars](#)

Captain and Founder of Advanced Robotics Club — 2022-present

Crestwood Preparatory College

- Awarded the opportunity to represent Canada's Junior Lightweight Division in the [International RoboCup Competition](#) in Bordeaux, France
- Spearheaded club creation, gathered interest, fundraised for parts and recruited new members through presentations and interactive sessions
 - Advertised club to school through PA announcements and word-of-mouth
- Led and managed a team of 12 peers
 - Assigned media, hardware, and software roles to teammates and provided helpful and clear instruction
- Designed and programmed autonomous soccer robot to compete in RoboCup Junior Lightweight Division
 - Designed libraries to interface with low-level components
 - Staged, managed, and documented codebase with GitHub
- Ensured club will continue to exist after I graduate by teaching skills to younger students, creating a legacy

AWARDS AND DISTINCTIONS

Captain of High-Level Basketball Team: North York Lions

- Led and managed team during games and practices
- Taught plays to new teammates

Represented Team Canada Internationally in RoboCup's Jr. Soccer Lightweight Division

- Chosen by a panel of judges to represent country in international competition

Top 250/48,000 in University of Waterloo's Junior Computer Science Contest

- Practiced for, and competed in University of Waterloo's CCC

Completed Each Grade with Distinction (93%+)

- Received maximum academic distinction on each year of high school

Advanced Placement (AP) Scholar With Honors Award

- Self-studied four AP exams for University credit
- Received maximum score on all

2nd Place at Ontario Open JiuJitsu Tournament

- Trained and practiced under [Professor Gregg King](#)
- Finished second in province in weight class in the Ontario Open