

# DANIEL MARKUSSON

## CONTACT

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## SKILLS

3D Design  
XGBoost  
Pandas Dataframes  
TensorFlow  
Git  
Web Development  
Confident Public Speaker  
Engaging Leadership Style

## EDUCATION

**High School**  
**Crestwood Preparatory College**  
Class of 2025  
Currently completing grade 12 year

**Your Degree Name**  
**CS50 AI | Harvard University**  
2023-2024  
[\\*Learn more here](#)

## LANGUAGES

Python	Java
JavaScript	HTML/CSS
C	C++
C#	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 eager to work with others. Passionate about designing software, constantly seeking to learn and improve my skills with formal course work and self-directed study.

## EXPERIENCE

### Innovation Developer

2024

Royal Bank of Canada

- 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

### Research Paper - A Minimal Approach to Fake News Detection

2024

Personal Project

View paper [here](#)

- 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 ([learn more](#))

### Captain and Founder of Advanced Robotics Club

2022-Present

Crestwood Preparatory College

- Led and managed a team of 12 peers
  - Assigned media, hardware, and software roles to teammates and provided helpful and clear instruction
  - Took initiative in debugging and testing software and hardware and created diagrams to illustrate algorithms to laypersons
- Designed, planned, and programmed an autonomous soccer playing robot to compete in the RoboCup Junior Lightweight Division
  - Designed libraries to interface with low-level components
  - Staged, managed, and documented codebase with GitHub
- Awarded the opportunity to represent Canada's Junior Lightweight Division in the International RoboCup competition in Bordeaux, France

## AWARDS AND DISTINCTIONS

Captain of High-Level  
Basketball Team:  
North York Lions

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

Finished First at the  
National RoboCup Jr.  
Soccer Competition

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

Completed Each Grade  
with Distinction (93%+)

2nd Place at Ontario Open  
JiuJitsu Tournament