

DANIEL MARKUSSON

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Toronto, Canada

SUMMARY

Computer Science student and full-stack developer with experience across RBC engineering teams, AI research, and robotics. Advanced background in React, Python, Go, and applied machine learning, with a strong leadership history.

EDUCATION

- **University of Toronto** 2029 (expected)
Bachelor of Science in Computer Science — GPA: 3.9/4.0 Toronto, Canada
- **Crestwood Preparatory College** 2025
Secondary Education Toronto, Canada

AWARDS

AP Scholar with Honours Award · Ontario Scholar Certificate · Diplôme d'Études en Langue Français (B2) · Academic Achievement Award

EXPERIENCE

- **Royal Bank of Canada** 2026–Present
Software Developer — RIG Team Toronto, Canada
 - Develop and maintain enterprise front-end components within RBC's RIG design framework, improving consistency, accessibility, and reuse across internal applications.
 - Implement reusable React components, including an accordion component, for use across RBC front-end products.
 - Refine and debug production UI issues across RBC applications, aligning interfaces with design standards.
- **Royal Bank of Canada** 2025 
Innovation Developer — High School Intern Toronto, Canada
 - Built a full-stack platform for Apollo SREs that cut proxy deployment from 9h to 90m (83% faster), saving 2,200+ engineer hours annually.
 - Delivered React.js front-end using RBC's RIG framework and Go/PostgreSQL backend for 6,000+ Apigee proxies; ensured scalability with Jest test suites.
 - Awarded "Most Innovative Solution" and received return offer for next summer.
- **Royal Bank of Canada** 2024 
Innovation Developer Intern — High School Intern Toronto, Canada
 - Selected as 1 of 40 interns from 1,100+ applicants for RBC Summer Tech Labs.
 - Built an onboarding platform reducing setup by 40+ hours per hire; modernized developer portal UI with RBC's design framework.
 - Partnered with DevOps and designers to refine portal functionality; presented results to CTO and senior executives.

PROJECTS

- **Advanced Robotics Club** 2022–2025 
Founder and Captain of Team Canada 
 - Founded and scaled club; secured \$5,000 worth of sponsorships and recruited 12 active members through outreach and mentorship.
 - Led Canada's team twice at [RoboCup Junior Lightweight Division](#) in 2023 (France) & 2025 (Brazil); designed autonomous soccer robots.
 - Directed hardware/software/media subteams; built navigation and computer vision systems; interfaced with low-level components; documented codebase on GitHub for continuity.
- **A Minimal Approach to Fake News Detection** 2024  
Research Paper
 - Published preprint proposing lightweight ML model (XGBoost), achieving 71% classification accuracy on engineered text features.
 - Built and processed dataset with pandas; tuned models via gradient boosting and evaluated with ROC/confusion matrices.
 - Presented findings at Polygence Symposium, demonstrating strong research communication and academic writing skills.

SKILLS

Programming Languages: Python, C++, JavaScript/TypeScript (React.js & React Native), Java, Go
Frameworks & Tools: Jest, GitHub, Pandas, XGBoost, RBC RIG, Google Apigee, Backstage, Firebase
Misc: Machine Learning (gradient boosting, feature engineering), Full-stack development, DevOps collaboration, Academic publishing, Agile framework

COMMUNITY

Model United Nations Club: Captain · **North York Lions Basketball Team:** Captain · **Various Musical Groups:** Drummer & Bassist · **Crestwood Preparatory College Camping Trip:** Counsellor