

Kevin Jain

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Education

University of Toronto

May 2024

Honours Bachelor of Science in Mathematics

- **GPA:** 3.7/4.0 (High Distinction)
- **Coursework:** Algorithm Design, Advanced Algorithm Design, Statistical Learning, Deep Learning, Computer Architecture, Data Structures, Real Analysis I & II (Graduate), Complex Analysis (Graduate)
- **Awards:** Putnam Mathematics Competition (Top 500), U of T Undergraduate Math Competition (Top 10), Statistical Learning Final Project: 1st in class-wide prediction competition among ~250 students

Experience

Software Developer Intern

Toronto, ON

Scotiabank

May 2020 – Aug 2020

- Worked in the Innovation and Automation group to unify metadata from global operations
- Created tool to parse daily transaction metadata from Central American branches and convert to standardized global format
- Automated export of financial reports from regional offices to global ledger reconciliation software

Technical Analyst Intern

Toronto, ON

Scotiabank

Jan 2020 – Apr 2020

- Created design and functionality mock-ups for Scotiabank's API Developer Portal
- Managed internal website and knowledge base for API development and AML teams

Projects

Analysis of Backpropagation Alternative

[Paper](#)

- Performed new theoretical analysis of the 'forward gradient': an alternative to backpropagation for training neural networks
- Implemented in JAX to benchmark on different tasks, architectures, and optimization methods

Compiler

[GitHub](#)

- Created a compiler for small C-like language to LLVM using Python

Raytracer

[GitHub](#)

- Wrote raytracing program in Rust using only standard libraries and rayon for parallelization

Extracurriculars

Competitive Dragon Boat Athlete

Toronto, ON

Rotman Commerce Dragon Boat Club: Co-President & Captain

Aug 2022 – Aug 2023

- Led recruiting, social, fundraising, training, and tryout events to build 55-member competitive team roster
- Introduced new training methods, evaluation metrics, and hired coaches to improve team performance
- Competed at regional and national regattas and qualified Women's, Open, and Mixed gender crews for subsequent Club Crew World Championships

Canadian Premier National Dragon Boat Team

May 2025 – Present

- Represented Canada at 2025 World Dragon Boat Racing Championships in Brandenburg, Germany

Skills

Languages/Technologies: Java, C++, C, Python, R, SQL, Rust, Scheme, Go, Git, PyTorch, JAX