

JOHN BOULANGER

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EDUCATION

University of Toronto - Toronto, OntarioSeptember 2021 - April 2026

BASc Computer Engineering + PEY Co-op

3.84 GPA

Member of the Dean's Honour List 2021-2024

PROFESSIONAL EXPERIENCE

Software Developer Intern, Turing Analytics Inc. May 2024 - April 2025

- Experience developing a full-stack web app to streamline analytics and decision-making for oil and gas engineers.
- Collaborated in a scrum team using agile practices to develop solutions that enhanced UI design and backend functionality.

Data Engineer Intern, Teine Energy Ltd. May 2023 - August 2023

- Engineered Python applications and built Power BI reports for in-depth data analysis
- Strengthened programming and problem-solving skills via extensive dataset management

Junior Squash Coach, Toronto Badminton and Racquet ClubSeptember 2021 - Current

- Elevated collaborative skills to effectively coach and support young athletes
- Established empowering environments to facilitate the success of junior squash players

SKILLS

- C++, Python, Assembly, Verilog, FPGAs
 - Project Management
 - Operating Systems
- Web Development (React, .NET, Go, Rust)
 - Computer Organization and Hardware
 - Leadership

PROJECTS

C++ Mapping Software, Lead DeveloperJanuary 2023 - April 2023

- Led group of two computer engineers to develop a geographical mapping software
- Visualizes data from the OpenStreetMap API using graphics libraries GTK and EZGL
- Uses A* pathfinding algorithm to calculate an optimal path for commuters

Donkey Kong Game in C, Lead DeveloperSeptember 2022 - December 2022

- Utilizes the CPULator platform for emulating the CPU and running the game
- Has unique animations for characters, obstacles, winning and losing
- Can also be run on a DE1-SoC computer using a VGA display and PS/2 keyboard

EXTRACURRICULARS

Singles Squash Player, Team Alberta and U of T Varsity TeamJanuary 2011 - Current

Played for provincial and club teams; placed top 16 at the Canadian Junior Open; competed in international events such as the European Junior Open and Dutch Junior open; developed commitment, respect, mental toughness, and coaching abilities.