

Justin Lu

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[linkedin.com/in/justinlucanada](https://www.linkedin.com/in/justinlucanada) | github.com/justinlu1 | justinlu1.github.io/home

Skills

Languages: C++, Java, Python, HTML/CSS, Kotlin, Racket

Developer Tools: Git, Visual Studio Code, LaTeX, Repl.it, Android Studio

Applications: Adobe Premiere Pro, Adobe Photoshop, DaVinci Resolve

Experience

Project Coordinator

Aug. 2020 – Dec. 2021

Quento Corporation

Ottawa, ON

- Co-founded online educational platform to provide support to over 200 students during the COVID-19 lockdown
- Oversaw development of front-end, back-end, marketing, and financial aspects by leading company meetings
- Directed project by converting long-term goals into tasks before assigning them to suitable team members

Science Tutor

Jan. 2021 – Apr. 2021

Nebula Net

Ottawa, ON

- Virtually tutored class of 13 young students by leading them through the Ontario Grade 5 Science curriculum
- Volunteered as part of a non-profit which raised over \$300 in donations for the Children's Hospital of Eastern Ontario
- Synthesized grade 5 Ontario curriculum into manageable lessons and quizzes to supplement virtual learning

Projects

Chess | C++ | <https://github.com/justinlu1/Chess>

May 2021 – Jun. 2021

- Developed a fully-functional CLI chess program while adhering to object-oriented programming principles
- Implemented core functionality and game logic for the pieces, board, and user interface.
- Established testing routines and driver code to ensure proper functionality of program
- Designated individual programming targets to stay on schedule as part of a 3-person team

RSA Calculator | C++ | github.com/justinlu1/RSA-Calculator

Dec. 2021 – Jan. 2022

- Programmed an RSA encryption scheme calculator to help MATH135 students with practice problems
- Implemented Fermat's Little Theorem and the Euclidean Algorithm to facilitate modular arithmetic with large exponents

Education

University of Waterloo

Sept. 2021 – Expected Jul. 2026

1B Candidate for Honours Bachelor of Computer Science

Waterloo, ON

- GPA: 4.0
- University of Waterloo President's Scholarship of Distinction Recipient
- Relevant Courses: Designing Functional Programs, Elementary Algorithm Design and Data Abstraction (Ongoing)

Interests

Hockey (Assistant Captain)

August 2009 – Present

West End Hockey League, Nepean Minor Hockey Association

Ottawa, ON

- Mentored younger team members through training sessions and team events to improve team dynamic
- Evaluated players by evaluating performance in games and practices to recruit suitable candidates

Ultimate Frisbee

May 2015 – Present

Various associations, school teams

- Team captain for University of Waterloo's intramural Ultimate Frisbee league