

Justin Lu

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Skills

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

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

Applications: Adobe Premiere Pro, Adobe Photoshop, DaVinci Resolve

Experience

Project Manager

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

Assistant Captain

Mar. 2021 – Sept. 2021

Nepean Pirates Select

Ottawa, ON

- Led team of 23 teammates during practices and games by providing a strong backbone to the team
- 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

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++

May 2021 – Jun. 2021

- Developed a fully-functional CLI chess program using C++ following object-oriented programming principles
- Designated individual programming targets as part of a 3-person team using UML to stay on schedule
- Established rigorous testing routines and driver code to ensure proper functionality of special rules

RSA Calculator | C++

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

August 2009 – Present

West End Hockey League, Nepean Minor Hockey Association

Ottawa, ON

- Played recreational, competitive, and select level hockey for 12 years

Ultimate Frisbee

May 2015 – Present

Various associations, school teams

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