

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 demonstrating drills and setting pace to raise motivation
 - 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
- 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 console-based chess program using C++ in adherence with OOP principles
 - Designated individual programming targets as part of a 3-person team using a UML to stay on schedule
 - Enacted rigorous testing routines and associated 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