

# Justin Lu

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## Skills

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**Languages:** C++, Java, Python, HTML/CSS, Racket  
**Developer Tools:** Git, Visual Studio Code, LaTeX, Repl.it  
**Applications:** Adobe Premiere Pro, Adobe Photoshop, DaVinci Resolve

## Experience

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- 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 Hockey Team* 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

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- 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
  - 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](https://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

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- 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

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- 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