

# Justin Lu

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## Technical Skills

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

**Developer Tools:** GitHub, Visual Studio Code, LaTeX

**Applications:** Adobe Premiere Pro, Adobe Photoshop, DaVinci Resolve

## Experience

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### Project Manager

August 2020 – December 2021

*Quento Corporation*

*Ottawa, ON*

- Co-founded online educational platform to help students during COVID-19's virtual learning phase
- Led and oversaw progress of front-end, back-end, marketing, and financial/accounting teams
- Converted project vision into tasks before assigning them to suitable team members
- Facilitated communication between departments to maintain efficient development

### Assistant Captain

March 2021 – September 2021

*Nepean Pirates Select*

*Ottawa, ON*

- Led team of 23 select hockey players during practices and games
- Mentored and guided younger team members through training sessions
- Evaluated prospective candidates during recruitment periods by scouting games

### Tutor

Jan. 2021 – Apr. 2021

*Nebula Net*

*Ottawa, ON*

- Tutored grade 5 science during COVID-19 lockdown as a supplement to virtual learning
- Volunteered as part of a non-profit which raised over \$300 for the Children's Hospital of Eastern Ontario
- Synthesized grade 5 Ontario curriculum into easily-understood lessons and quizzes
- Effectively communicated course content and expectations to students

## Projects

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### Chess | C++

May 2021 – June 2021

- Developed a fully-functional console-based chess program using C++
- Implemented all functions and features in adherence with object-oriented programming principles
- Designated and met individual programming targets as part of a 3-person team
- Enacted rigorous testing routines 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

## Education

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### University of Waterloo

Sept. 2021 – Expected July 2026

*Candidate for Honours Bachelor of Computer Science*

*Waterloo, ON*

- GPA: 4.0
- University of Waterloo President's Scholarship of Distinction Recipient
- Relevant Courses: CS135 | Designing Functional Programs