Justin Lu

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Technical Skills

Languages: C++, Java, HTML/CSS, Racket
Developer Tools: Visual Studio Code, LaTeX
Applications: Adobe Premiere Pro, Adobe Photoshop, DaVinci Resolve

Experience

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
- Coordinated and oversaw 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
- Represented team during events and tournaments
- 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
- Designed comprehensive lessons and quizzes for the grade 5 Ontario curriculum, to be delivered over 10 weeks
- Led younger students to mastery over challenging extensions to course material through interactive lessons
- Volunteered for a non-profit supporting the Children's Hospital of Eastern Ontario

Projects

Chess | *C++* May 2021 – June 2021

- Developed a fully-functional console-based chess program using C++
- Implemented all special rules in adherence with OOP principles
- Designated individual programming targets as part of a 3-person team

RSA Calculator | *C++* Dec. 2021 - Jan. 2022

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

Education

University of Waterloo Sept. 2021 - 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: Designing Functional Programs - CS135