

Justin Lu

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Skills

Languages: C, C++, Java, Python, HTML, CSS, JavaScript, Racket

Technologies: Bootstrap, SCSS, PyGame

Tools: Git, Linux, Atlassian, Android Studio, OpenText CMS, BitBucket, WordPress, LaTeX

Experience

Frontend Developer

Apr. 2022 – Aug. 2022

Innovapost

Ottawa, ON

- Improved functionality for the Canada Post website by leveraging the OpenText CMS, JavaScript, and SCSS.
- Enhanced maintainability and scalability by enacting best practices for OpenText's CMS component library
- Resolved functional and accessibility issues using JavaScript to satisfy W3 accessibility guideline audits
- Communicated effectively with colleagues through standups and continuous integration, earning 3 team recognitions

Project Manager

Aug. 2020 – Dec. 2021

Quento Corporation

Ottawa, ON

- Co-founded online educational platform to provide support to over 200 students through Vue.js, SCSS, and Firebase
- Oversaw work of all departments by leading standups and tracking Agile development targets
- Promoted efficient development by converting long-term goals into tasks and assigning them to suitable team members

Projects

Chess | C++ | <https://github.com/justinlu1/Chess>

May 2021 – Jun. 2021

- Developed a fully-featured CLI chess program in C++ while adhering to object-oriented programming principles
- Implemented game logic, move validation, and checkmate detection using polymorphism and inheritance
- Established testing routines and driver code to ensure proper functionality of program
- Designated individual programming targets to meet the project deadline as part of a 3-person team

Conway's Game of Life | Python | github.com/justinlu1/gameoflife

Aug. 2022

- Created Conway's Game of Life with an interactive GUI in Python by using PyGame
- Made use of event listeners to direct program flow through multiple forms of user input

Education

University of Waterloo

Sep. 2021 – Jul. 2026

Honours Bachelor of Computer Science (Co-op)

Waterloo, ON

- GPA: 3.99
- Relevant Courses: Object-Oriented Software Development, Designing Functional Programs, Elementary Algorithm Design and Data Abstraction

Interests

Hockey (Assistant Captain)

Aug. 2009 – Sep. 2022

West End Hockey League, Nepean Minor Hockey Association

Ottawa, ON

- Mentored younger team members through training sessions and team events to improve team dynamic
- Led team through games by encouraging hard work, team cohesion, and morale

Ultimate Frisbee

May 2015 – Present

Various associations, school teams

- Team captain for University of Waterloo's intramural Ultimate Frisbee league
- Guided beginner team through a season of intramurals by explaining core concepts and strategies