

Clarence Chau

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SKILLS SUMMARY

Languages : Java, Python, JavaScript, HTML, CSS, LaTeX, R

Technologies : Git, NodeJS, VSCode, Eclipse, JavaFX, PyCharm, Greenfoot, Bootstrap, Firebase

EDUCATION

University of Toronto

2020 – 2024

Bachelor of Science

Toronto, Ontario

- Relevant Coursework: Data Structures and Algorithms, Computer Organization and Design, Linear Algebra and Matrices, Software and Electric Circuits

PROJECTS

badmintonzone.ca (JavaScript, HTML, CSS)

- Developed a website for Canadian badminton athletes and fans to view the latest tournament results of our top international players.
- Made use of various API's to develop a blogging system to make both the user experience and weekly postings much more convenient.
- Managed the information pages to make sure they are up to date with the latest tournaments results, clubs, shops and player's information.

Personal Website (ReactJS)

- Developed a personal website using **ReactJS** to display and document my personal projects.

Three Musketeers (Java)

- Worked with a team to create a chess-like game.
- Implemented object-oriented programming techniques and multiple **Java design patterns** such as Strategy pattern and Command pattern, while also using **JavaFX** to create an interface for the game.
- Coded and applied algorithms for the difficulty of the CPU, which is depended on what the player chooses.

Gungeon (Java)

- Used a Java Framework, **Greenfoot**, to create a two-dimensional shooting game.
- The user controls a character to travel through different rooms and dungeons, shooting enemies and dodging traps, to beat the game.
- Took advantage of **object oriented programming** to create different types of guns, monsters and dungeon rooms.

PROFESSIONAL EXPERIENCE

Aireum

June 2022 – August 2022

Full Stack Developer Internship

Toronto, Ontario

- Took part in the web development for Canada's only virtual museum - stores and releases archive material for those who are interested in Canadian history.
- **ReactJS** for the front end development, and **NodeJS/Firebase** for the backend development