

Techni

cal Skills:

- **Languages:** Java, Python, JavaScript, HTML, CSS, C, SQL, Racket, Coq, PostgreSQL
- **Libraries/ Frameworks:** React.js, Django, Django REST Framework, React Test Library
- **Tools:** Heroku, Docker, Linux, Git, Maven

Relevant Experience:

ces:

Web Developer

Remote
e January 2021 –

June 2021
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- Fully developed a React web app designed to demonstrate fundamental physiology concepts clearly to occupational therapy students to improve learning
- Utilized libraries including Recharts and RC-Slide
- , together with CSS to build a reliable and aesthetically pleasing web site that far surpasses the client's expectations
- Learned valuable leadership skills by being the main architect of the team
- Currently used by 100+ students so far during lectures

Projects:

Multi-Purpose Discord Bot

- pose Discord Bot
 - | Java
 - Developed an interactive discord bot using the Java JD

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- ed data for users on a remote **PostgreSQL** database
- Extensive use of **O**
- **bject-Oriented**
- **d Prog**
- **ramming** for data and method encapsulation
- Used **git** for version c
- ontrol and **Maven** for b
- uild automation
-

User Data API | Django, React.js

- Developed a **backend** t
- o access and upda
- te a **PostgreSQL** database using **Django** for the discord bot above
- Built multiple **RESTful APIs** with authentic

- - action to facilitate fast and
 - secure
- data access and transfer
- Used React to create an interactive frontend which allow users to view the bot data in a user-friendly format
- Fully hosted remotely on Heroku to ensure 24/7 uptime

Paint Clone

- | Python
- Used Pygame to create a program that mimics MS paint
 - Includes various features such as pencil, rectangle, circles, flood fill, etc.

Other Experience:

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es:

December 2017 – March 2020

- Assisted Ski Instructors during lessons with organizing students and explaining skiing concepts
- Gained great communication skills by needing to convey lesson objectives and results clearly to students

Education:

UNIVERSITY OF WATERLOO

2021 – May 2026

Candidate for Bachelor of Computer Science (Hons.)

September