

Techni

cal Skills:

- **Languages:** J
- 'ava, Python, JavaS
- cript, HTML
- , CSS, C, SQL, Racket, Co
- q, PostgreSQL
- **Libraries/ Fra**
- **meworks:** R
- eact.js, Django, Django REST Framework, React Test Library
- **Tools:** Heroku,
-
- Linux, Git, Maven

Relevant Experien

ces:

Web Developer

e

Remote
January 2021 –

Ju
ne 202
1

- 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**
- **React**, 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

Multi-Purpose Discord Bot

| Java

- Developed an interactive discord bot using the **Java JD**

-

-

- A library

-

-

- Wit

- h a multitude

- of fea

- tures

- Collec

- ts and s

-

- to

- res p

- ersonaliz

-

- ed data for users on a remote PostgreSQL database

- Extensive use of O

- bject-Oriente

- 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

-
- ation to facilitate fast and
- secure
- data access and transfer
- Used **React**
- **axios** 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 E

Experience

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