Pirooz Seyf Askari Barkoosaraei

SOFTWARE DEVELOPER · COMPUTER SCIENCE/COGNITIVE SCIENCE DOUBLE MAJOR · UNIVERSITY OF TORONTO

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About Me

Languages and Databases	Python, Java, C#, HTML, CSS, JavaScript, C, MongoDB, SQL
Other Technologies	Git/Github, Unix, Microsoft Suite, Visual Studio, React, React Native
Soft Skills	Teamwork, Problem Solving, Time Management, Communication

Education

University of Toronto, St. George Campus   📍 *Toronto, ON*
CANDIDATE FOR B.SC. IN COMPUTER SCIENCE AND COGNITIVE SCIENCE   📅 *Sep 2020 – Ongoing*

- **Cumulative GPA:** 3.7/4.0, 2020-2021 Dean's List
- **Relevant Coursework:** Object-Oriented Programming, Sorting Algorithms, Recursion, Time Complexity, Graph Theory, Algorithm Analysis, Clean Architecture, SOLID Design Principle, Design Patterns

Work Experience

Xponent Technologies | *React Native, JavaScript, Firebase*   📍 *Toronto, ON*
SOFTWARE DEVELOPER   📅 *Feb 2022 – Apr 2022*

- Developed a **cross-platform app** from scratch using **Expo** and the JavaScript library **React Native** for design and functionality and the **Native-Base** library for components.
- **Cooperated** with a team of programmers and UI/UX designers to work on the design and functionality of app pages, following their app design with **93% accuracy**.
- Utilized **Firebase** features to allow for authentication of new users and returning users.

Kidney Health Education and Research Group | *Python, Pandas, SQL*   📍 *Toronto, ON*
PYTHON DEVELOPER   📅 *Oct 2021 – Apr 2022*

- Helped develop back-end scripts using **Python** libraries **Pandas** and **Requests** for organ research.
- Displayed **critical thinking** skills by figuring out solutions for end goals and implementing these solutions in projects.
- **Coordinated** using **SQL** databases with the team to collect patient data with **98% accuracy**.

The Teacher App | *React, JavaScript, SASS, Firebase*   📍 *Toronto, ON*
SOFTWARE DEVELOPER   📅 *Feb 2022 – Apr 2022*

- **Researched** what tools and libraries to use for the website including the front-end, back-end, and database.
- Utilized the **React** library, **SASS**, and **Firebase** to set up the styling and functionality of the website.
- Integrated the UI/UX designer's website design when creating the designing and styling of the website.

Projects

Canadian COVID-19 Timeline | *HTML, CSS, JavaScript*   </> *EngHack*
DEVPOST.COM/SOFTWARE/COVID-19-TIMELINE-CANADA   📅 *Jun 2021 – Ongoing*

- Developed covidtimelinecanada.codes using **HTML**, **CSS**, **SASS** and **Javascript** to showcase a COVID-19 timeline of Canada.
- Implemented and connected a COVID-19 API with **Chart.js** to graph COVID-19 cases in Canada with **95%** accuracy.
- Utilized the Google News API to make the graph interactive so that users can view pandemic-related news of specific dates.

Connect 4 Discord Bot | *Python*   </> *RUHacks*
DEVPOST.COM/SOFTWARE/DISCORD-CONNECT-4   📅 *May 2021*

- Developed a Discord bot using **Python** and the **Discord.py** API to allow users to play connect 4 against friends or an AI.
- Implemented a **mini-max** algorithm to efficiently and effectively search for the most optimal move for the situation.
- Utilized a **Google Cloud** virtual machine allowing the bot to run 24/7.

FatBite Workout App | *Java, Github*   </> *University of Toronto*
GITHUB.COM/CSC207-UOFT/COURSE-PROJECT-SPHERICAL-MIRACLE   📅 *Oct 2021 - Dec 2021*

- Designed and developed an app to create workout schedules for the week using **Java**, following **Clean Architecture** rules.
- Implemented **design patterns** for classes with similar structures or implementations for program scalability.
- Effectively **communicated** and **coordinated** with the team using Discord to divide the work and **Github** for **version control** using pull requests and issues.