

Piroot 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

CANDIDATE FOR B.SC. IN COMPUTER SCIENCE AND COGNITIVE SCIENCE

📍 Toronto, ON

📅 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 kidney 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.