Pirooz Seyf Askari Barkoosaraei

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

Toronto, ON | (+1) 647-774-4891 | piroozsab | piroozbarkoosaraei.com | piroozb | pirooz-barkoosaraei

About Me

Languages and Databases	Python, Java, C#, HTML, CSS, JavaScript, Visual Basic, MongoDB, SQL
Other Technologies	Git/Github, Unix, Microsoft Suite, Visual Studio, Intellij IDEA, Pycharm, .NET
Soft Skills	Teamwork, Critical Thinking, Time Management, Communication, Problem-Solving

Work Experience

Kidney Health Education and Research Group
PYTHON DEVELOPER
Toronto, ON
Oct 2021 – Mar 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.
- **Cooperated** with other members of the Data team to collect data with **95%** accuracy.

PCNIX Toronto
COMPUTER TECHNICIAN (CO-OP)
Toronto, ON
Feb 2019 – Jun 2019

- **Deciphered problems** with computer hardware and software and then devised a plan to correct them.
- Demonstrated skills in computer assembly and taking **safety precautions** to carefully analyze hardware issues.
- Achieved a **90%** in client satisfaction by efficiently solving and effectively repairing computer-related problems.

Projects

Canadian COVID-19 Timeline
DEVPOST.COM/SOFTWARE/COVID-19-TIMELINE-CANADA
</> EngHack
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 news related to the pandemic of specific dates

Connect 4 Discord Bot
DEVPOST.COM/SOFTWARE/DISCORD-CONNECT-4
</> RUHacks
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
- Completed and deployed the project in under **48 hours**

FatBite Workout App
GITHUB.COM/CSC207-UOFT/COURSE-PROJECT-SPHERICAL-MIRACLE
</> University of Toronto
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 to split up the work and when they should be completed
- Ended with a grade of **95%** from our teaching assistant for the idea and execution of the project

Education

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

- **Cumulative GPA:** 4.0/4.0, 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

Volunteer Services

Shadowland Theatre
ACTIVITY SUPERVISOR
Toronto, ON
June 2018

- Supervised and facilitated children doing activities in the park such as face painting, stilt walking, and creating bird masks