

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, 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

📍 Toronto, ON

PYTHON DEVELOPER

📅 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

📍 Toronto, ON

COMPUTER TECHNICIAN (CO-OP)

📅 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

</> EngHack

DEVPOST.COM/SOFTWARE/COVID-19-TIMELINE-CANADA

📅 Jun 2021 – Ongoing

- Developed [coviddimelincanada.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 and showcase 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

</> 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.
- Inspected and gained **93%** satisfaction amongst users with the idea and demonstration of the bot.
- Completed and deployed the project in under **48 hours**

FatBite Workout App

</> University of Toronto

GITHUB.COM/CSC207-UoT/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 to split up the work and when they should be completed

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

Volunteer Services

Shadowland Theatre

📍 Toronto, ON

ACTIVITY SUPERVISOR

📅 June 2018

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