SHAKIR ABDULLAYEV

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Education

University of Toronto   **Sep. 2019 – May 2024**
Honors Bachelor of Science - Computer Science Specialist and Business Minor (Current GPA: 3.44)   *Mississauga, Canada*

Awards
UTM Entrance Scholarship - Merit based award for students with a distinguished academic record

Relevant Coursework

- Software Design
- Computer Organization
- Assembly Programming
- Complexity Analysis
- Data Structures
- OOP
- Systems Programming
- Numerical Methods

Technical Skills

Languages: Python, Java, JavaScript, React, Kotlin, C/C++, Assembly
Developer Tools: Android Studio, Ubuntu Linux, Bash, UiPath
Technologies/Frameworks: GitHub, Scrum Agile Methodology, Regex, Next.js, Unit Testing
Routing and Switching: IP Suite, OSI Model, EIGRP, OSPF, TCP/IP

Projects

Exchange Guardian (PyJaC 2022 Winner) | *UiPath Studio, Forms*   **January 2022**
- Developed an **automation program** utilizing **UiPath**.
- Utilized the **web-scraping** package of UiPath to fetch data from the websites of **major Canadian banks**.
- Integrated UiPath **Forms** to display best USD-CAD exchange rates among major Canadian banks in an intuitive manner.

Personal Website | *React, Next.js*   **January 2022**
- Developed a Personal Website using **React and Next.js**.
- Deployed Next.js to have server-side rendering which created **higher engagement with employers** by reducing load times.
- Utilized **React, JS and CSS libraries** to design smooth transitions and effects such as **React Smooth-Scroll**

Location Saver | *Java, Android Studio*   **December 2021**
- Created an Android application that utilizes **Storage capabilities, GPS, and Google Maps.**
- Utilized **Android and Google location libraries and frameworks** to retrieve address information of given coordinates of a device or map location.
- Incorporated storage capability that enables users to save a certain location just by long pressing on the location on the map.

TrieTree Dictionary Program | *Python*   **August 2021**
- Utilized **Trie Tree** data structure to store dictionary of words.
- Designed autocorrect and autocomplete algorithms utilizing the Trie Tree dictionary.
- Created in-depth **unit-testing** which **optimized code to 95% correctness.**

Steam-clone Marketplace Application | *Java*   **April 2021**
- Collaborated in a **group project of four** using **Java** to develop the **back-end of an online game store.**
- Worked on project using the **Scrum Agile Development Methodology** which included 2 **sprints.**
- Created the architecture of the application incorporating multiple **Object-Oriented Programming** techniques.
- Integrated **Factory, Singleton, Strategy** design patterns to code-base.
- Incorporated **Regex** techniques to take data from front-end and update back-end database.
- Developed in depth **unit-testing** for functionality of the application.
- Actively worked with **Git version control** during project