

KIARASH ALIREZAEI

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EDUCATION

Computer Engineering – University of Toronto, Bachelor of Applied Science

• St George Campus, September 2022 – April 2026

PROJECTS

Interactive Maps Application Development - University Project [Feb 2024 - Mar 2024]

- **Language Integration:** Integrated C++ and the STL library within a comprehensive maps application project, enhancing functionality and performance.
- **API Integration and Management:** Implemented and managed API calls for real-time data processing and visualization, ensuring dynamic user interactions and up-to-date information.
- **UI/UX Design:** Collaborated in designing and developing the application's user interface and experience, creating an intuitive navigation and aesthetic appeal.

Soccer Stats App- Self-Driven Project

- Developed a mobile app using JavaScript and React Native for real-time soccer statistics for over 60 teams and 1500 players.
- **API Integration:** Successfully integrated an API for live data updates, enhancing app functionality and ensuring up-to-the-minute accuracy of soccer stats.

Digital Game System - FPGA Development - University Project

- Engineered digital game system using Verilog on the DE1-SoC board, showcasing expertise in digital design.
- **Advanced Control Logic:** Developed complex Finite State Machines (FSMs), datapaths, and memory blocks to enable precise control and dynamic gameplay.
- **Multifunctional Memory Blocks:** Designed and implemented memory blocks supporting user play memory, audio storage, and additional functionalities.
- **Front-End Proficiency:** Designed intuitive user interfaces, optimizing the user experience for various devices.

Personal Portfolio Website - Self-Driven Project

- Utilized JavaScript, HTML, CSS, and React to create an engaging user interface showcasing my professional experiences and personal information.
- Resulted in an improved online presence and the acquisition of additional front-end development skills, including JavaScript, HTML, CSS, and React.

WORK EXPERIENCE

DECO Windshield Repairing Sales Associate, Vaughan/Richmond Hill

May 2023 – August 2023

Manager Contact: 403-506-1690

- Built interpersonal skills through engaging customers, listening to needs, and providing custom solutions
- Gained an in-depth understanding of windshield repair techniques and products, enhancing problem-solving abilities and demonstrating an aptitude for grasping technical details.
- Developed persuasive communication skills, honing the ability to convey complex ideas persuasively.

Freelance Web Developer - RENOV8 INC.

Business Website: <https://www.renov8inc.ca/>

- Created a responsive business website for RENOV8 INC., a renovation company, utilizing React JavaScript and CSS.
- Independently designed and implemented a website, showcasing strong front-end development skills and enhancing my capabilities in web design, contributing to a successful online presence for the client.

SKILLS

Programming languages: Java, Python, C/C++, JavaScript, HTML, CSS, SQL, Assembly, Verilog, and MATLAB

Frameworks: React, Django, React Native and MySQL

Developer Tools: Linux, Git, VS Code and Eclipse

Tech-related skills: Desktop assembly with parts, Microsoft Office, Adobe Photoshop, and Premiere.

AWARDS

Dean's List (Honour Roll) for the University of Toronto's Engineering

Scholarships and Awards: Edward S Rogers Sr. Admission and Applied Science & Engineering Admission Scholarship

First Aid & Lifeguard Certified: Bronze Medallion, Bronze Cross, and First Aid certification