Mohammed Amir

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Computer Engineering graduate from the University of Toronto with 2+ years in database management, automation, and programming. Skills in artificial intelligence, software engineering, project management, and user experience design. Looking for a role in full stack development, frontend development, backend development, software engineering, or software project management.

EDUCATION

University of Toronto, BASc — Toronto, ON
Major: Computer Engineering, Minor: Artificial Intelligence — Graduation: June 2024

Related Coursework: Software Communication and Design, Algorithms and Data Structures, Computer Fundamentals, Programming Fundamentals, Software Engineering, Computer Networks, Operating Systems, Computer Organization

SUMMARY OF SKILLS

Professional:
- Project Management, Problem-Solving, User-Centered Design, Problem Solving, Agile and Scrum Methodology, RESTful APIs, Testing and Deployment, Database Management, Communication and Networking

Programming Languages:
- C, C++, Python (Flask, matplotlib, Pytorch, Numpy), ARM Assembly, JavaScript (ES6, React, Three.js, Node.js), Verilog, SQL (MySQL, PostgreSQL), MongoDB, HTML5, CSS (Bootstrap, Tailwind)

Software:
- Git, GitHub, Selenium, Jira, Bash, Visual Studio Code, Microsoft Office 365, Docker, Vim, Figma, Linux, MacOS, Windows

WORK EXPERIENCE

Work-Study Data and Administrative Assistant — Toronto, ON
University of Toronto Engineering Career Centre — Sept 2023 - Mar 2024
- Standardized systems of data visualizations and created reports using Microsoft Excel
- Cleaned and updated databases to enable better accuracy and organization for data analysis
- Automated report and record creation processes using Power Automate
- Developed scripts for report generation and database maintenance, reducing manual time-intensive tasks to computerized processes

Junior Software Developer — Vaughan, ON
Human Endeavour — May 2023 - Aug 2023
- Initiated, planned, and administered the design and marketing of a line of assistive tablets to aid visually impaired users as well as those living with dementia in Activities of Daily Living
- Formulated database to track tablet usage, performance, and inventory to allow for data-driven insights in how to improve and manage products and features
- Devised infrastructure to quickly replicate and update features and programs on deployed tablets, as well as a system of version control to track software updates using Google Cloud-based API's
- Built a scanner app using Android macros, Google API calls, Google Sheets macros, and Google Apps Scripts to automate the scanning, tracking, and management of inventory

PROJECTS

Frontend Developer   Toronto, ON
UofT Occasional Web Application (https://occasional.onrender.com/)   Sept 2023 - Dec 2023
- ○ Programmed and designed dynamic calendar and dashboard pages to display user and organization events using Flask, Bootstrap, React, HTML, CSS, and JavaScript connected to a MongoDB non-relational backend database
- ○ Collaborated in a team using the Agile methodology to devise user requirements and a well-documented codebase
- ○ Prototyped and reviewed frontend designs using Figma and assessed against explicit user requirements

Open-Source Contributor   Toronto, ON
Ethos   Dec 2023 - Feb 2024
- ○ Contributed to the Ethos open-source project by adding comment tracking functionality with React, Bootstrap, HTML and CSS
- ○ Implemented the ability to store, track, and jump to the timestamp associated with a specific comment

Communications Manager and Developer   Toronto, ON
Geographical Information System   Jan 2021 - May 2021
- ○ Designed and programmed a GIS in C++ using location data and calls to an OpenStreetMapsDatabase API
- ○ Developed backend location data loader, and route-finding algorithm using C++ standard library
- ○ Implemented user-oriented responsive interface, search, and route-finding interaction controls