Behrouz Akhbari

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EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science, Double Major in Computer Science and Statistics   *Sep 2020 – Present*

EXPERIENCE

Software Engineering Intern   June 2023 – Present
Urban Data Center   *Toronto, ON*
- Developed and implemented knowledge graph/ontology querying solutions using GraphDB and SPARQL.
- Designed and optimized ontologies and knowledge graphs, ensuring data consistency, accuracy, and semantic interoperability.
- Integrated knowledge graphs and ontologies into React applications, providing users with contextual and relevant information through interactive visualizations using D3.js.
- Engineered a prompt leveraging the OpenAI API.

Front-end Developer Volunteer   March 2023 – Present
Gene2Lead   *Mississauga, On*
- Designed and developed visually appealing and user-friendly websites using Wix and React (MUI), ensuring seamless integration of design elements and optimal user experience.

Front-end Intern   September 2022 – December 2022
Lotus Ware Inc.   *Toronto, ON*
- Developed and implemented responsive web applications using Next.js and React, ensuring optimal user experience across multiple devices and platforms.
- Actively participated in code reviews, providing constructive feedback to team members and following industry best practices for code quality and maintainability.

PROJECTS

Portfolio Project | *React, MUI*
- A responsive website built with React to display projects and skill sets.

TherapyMatch | *React, MUI, Flask, OpenAI API, OpenStreetMap API,SQLite, GitHub*
- A web application that connects users with therapists based on their unique needs and location.
- Utilized the OpenAI GPT-3.5 model to analyze user input and identify key points related to their mental health needs.
- Integrated OpenStreetMap API to facilitate geocoding and distance calculations.

Recipe Social Media App | *React, Bootstrap, Django, REST, SQLite, GitLab*
- Developed a dynamic web application where users can create, share, and discover recipes.
- Implemented a robust search functionality that allows users to find recipes based on tags or keywords.
- Designed and optimized the database schema, ensuring efficient data storage and retrieval for recipes and user interactions.
- Employed token authentication and serialization techniques to secure user accounts and protect sensitive information.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS
Databases: SQL (SQLite, Postgres), GraphDB / SPARQL, MongoDB
Frameworks: React, NodeJS, ExpressJS, NextJS, Flask, Django, MUI
Developer Tools: Git, Figma, OpenAI API, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, TenserFlow, Bootstrap, jQuery, D3.js