Anthony Qin
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SKILLS

Programming:
- Fluent in C, C#, Java, Python, and JavaScript used to create software for both personal and academic purposes.
- Proficient in utilizing Linux environments to develop and deploy software solutions
- Adept with React.js, Next.js, and HTML/CSS for the development of personal and course websites
- In-depth understanding of Regression and Classification machine learning models through academic and personal projects
- Proficient with NumPy and Pandas libraries after using them to build ML models from scratch
- Experienced with Android Studio through building a full-stack Android App
- Well-versed in Advanced Data Structures and Algorithms, Software Design Patterns (ie. Gang of Four), and Object Oriented Programming (OPP) used to write concise, efficient, and scalable code in projects.
- Experienced in Unity to create apps and games

Software Development:
- Familiar with version control (Git), Software Development Life Cycle (SLDC), and SCRUM/Agile methodologies used to manage personal, academic, and professional projects.

UI/UX Design:
- Understanding of Human-Computer Interaction concepts used to create the interface of mobile apps
- Experience using Figma to create mockups of projects

Soft Skills:
- Excellent teamwork and communication skills fostered through group projects, Hackathons, and Game Jams.

WORK EXPERIENCE

Full Stack Engineer Co-op @Manulife   January - April 2023
- Built a full-stack internal dashboard application from scratch using Spring Boot and React.js, significantly improving the collaboration between different departments.
- Played a pivotal role in ensuring the seamless operation of existing projects by proficiently configuring servers using Putty, contributing to the overall reliability and performance of the applications.
- Contributed to the optimization of team workflows by actively participating in the development of automation scripts using PowerShell and C. The implementation of these scripts resulted in a substantial increase in team efficiency.

AWARDS

Hackathon: Hack the Valley 7   October 2022
- Developed IntelliVerse, a full stack app using React Native, MongoDB, and GraphQL, offering emotional insight into text conversations with AI driving automatic sentiment analysis.
- Won awards in the categories: Best Discovery Hack and Most Creative Use of GitHub

EDUCATION

Bachelor of Science   August 2021- Present

University of Toronto,   Toronto, ON.

- **Major**: Specialist Program in Computer Science Co-op: Software Engineering, 3nd year

- **Notable Courses**: Machine Learning, Artificial Intelligence, Numerical Algorithms for Computational Mathematics, Software Design, Advanced Data Structures, Algorithm Design and Analysis, Human-Computer Interaction (HCI)

RELEVANT PROJECTS

Full-Stack Android App

- Developed a full-stack Android app, "SportsHub," using Android Studio and Java.
- Applied Software Design Patterns and Object-Oriented Programming to enhance app efficiency and scalability.
- Utilized Firebase's Realtime Database and Authentication for seamless data storage and user authentication.
- Led the project with Scrum methodology and Jira, fostering a highly productive team dynamic.
- Collaborated with a 4-member team, demonstrating strong communication and teamwork skills to achieve sprint goals and ensure optimal productivity.

Context Aware Large Language Model

- Engineered a full-stack web application utilizing Python and Streamlit, integrated with Langchain and OpenAI API to implement a context-aware Large Language Model (LLM).
- Implemented Qdrant as the backend to store vector stores, optimizing performance by avoiding redundant calculations and enhancing overall efficiency.