KARANJOT GAIDU

(289) 923-2376 | karanjot.gaidu@ontariotechu.net | linkedin.com/in/karanjot-gaidu | github.com/karanjot-gaidu

January 11, 2025

Recruitment Team
Royal Bank of Canada

Subject: Application for Summer Co-op Software Engineer Position

Dear RBC Recruitment Team,

I am writing to express my enthusiastic interest in the Summer Co-op Software Engineer position at RBC, as shared through the exclusive link for UofT Hacks participants. As a Bachelor of Science in Computer Science student at Ontario Tech University with a 3.9 GPA and hands-on experience in software development, I am eager to contribute to RBC's innovation-driven culture and gain valuable industry experience.

During my academic journey, I have honed my technical skills in programming languages such as Python, Java, C++, and SQL, alongside frameworks like React and Next.js. My role as a Software Engineering Resident at Headstarter has been particularly formative, allowing me to build over 14 machine learning, AI-engineering, and full-stack projects. Notable projects include:

- **Realtime Image Diffusion App**: Developed a scalable, real-time app generating AI-powered images under two seconds, utilizing Stability AI's A10G Nvidia SDXL Turbo, Neon Postgres, and Vercel Blob Storage.

- **LLM Evaluation Platform**: Designed an automated platform using TypeScript and Groq SDK to benchmark large language models (LLMs), optimizing AI research efficiency.

These experiences have sharpened my ability to deliver innovative, user-focused solutions while balancing technical complexity with practical performance. Moreover, my teaching assistantship at Ontario Tech University has enriched my interpersonal and problem-solving skills, enabling me to effectively communicate technical concepts—a critical attribute for collaborating in a team environment.

Beyond academics and work, my participation in hackathons, such as UofT Hacks, reflects my passion for solving real-world problems through technology. RBC's commitment to driving technological advancement in the financial sector resonates deeply with my aspirations to leverage software development and AI to create meaningful impact.

I am particularly inspired by RBC's innovative initiatives, such as the AI-based solutions in financial services, and would be thrilled to bring my technical acumen, creative problem-solving, and collaborative spirit to your team.

Thank you for considering my application. I look forward to the possibility of contributing to RBC's mission while advancing my technical skills through this co-op opportunity. I am available for an interview at your convenience and can be reached at (289) 923-2376 or karanjot.gaidu@ontariotechu.net.

Sincerely,

Karanjot Gaidu