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Arup

Hiring Manager

Re: Software Development Intern (September - December 2025)

What caught my attention about this role at Arup is the focus on developing critical features for MassMotion, a project that aligns with my technical background and my commitment to sustainable solutions. As a Software Engineering Co-op student at McGill University (3.88 GPA), I have a well-rounded skill set in C++ and Python, which I believe would be directly applicable to the development of agent behaviors and scene management for your software.

Leading a team to develop a Board Game Rental App using Java Spring Boot and Vue.js, I contributed significantly to both backend logic and frontend interfaces, achieving over 85% test coverage with end-to-end testing. This experience honed my abilities in full-stack development and agile project management, skills that are essential for contributing to Arup's team as you expand MassMotion's capabilities and refine its technical analysis.

Moreover, my participation in McHacks 12, where I developed a real-time triage support platform, showcases my ability to rapidly prototype and integrate frontend-backend solutions. The project emphasized real-time communication protocols and healthcare software design, which speaks to my capability to handle complex technical challenges with minimal supervision, a key requirement for this internship.

Arup's commitment to sustainable design resonates with my personal values of responsibility and ethical impact. I am particularly impressed by your recent solar-powered transport hub project, which illustrates your dedication to integrating sustainable energy solutions into public infrastructure. This aligns with my own interest in sustainable technology, making Arup not just a workplace, but a community where I see my ideals reflected and expanded.

I am eager to bring my technical expertise and dedication to a company that values innovation and collaboration. Thank you for considering my application.

Best regards,

Andres Gonzalez