Rio Tinto March 28, 2025
Brisbane, QLD 4000

Dear Talent and Recruitment Team of **Rio Tinto**,

Australia is renowned for being a global hub for the energy and mining industries, known for its innovation and advanced technology in production processes. Through my in-depth research into the undergraduate opportunities within these industries, including attending career fairs and engaging with company representatives, **Rio Tinto** has stood out to me as a leader in the field due to the global scale of its operations and its strong commitment to sustainability and innovation. Whenever I speak with **Rio Tinto** professionals, I am inspired by their passion and enthusiasm for the work they do.

As an undergraduate **Mechatronics/Aerospace student**, I bring proven technical skills at the intersection of robotics, computer science, systems engineering, and electrical engineering. I have always been highly interested in the opportunity to contribute to **Rio Tinto**'s innovative work in robotics and mining through this internship position since I started my engineering career.

As I progress through my third year at QUT, I recognize that undergraduate engineers need both academic knowledge and hands-on experience. This has driven me to actively seek opportunities to expand my skills and knowledge. I have participated in various projects, both individually and as part of a team, and have been recognized for my academic efforts, including earning the **Deanś Commendation** and being part of the **QUT Deanś Scholars program and College of Excellence**. I take pride in my practical, hands-on projects, which address specific needs and showcase my achievements.

During my recent internship with the QUT Motorsport team, I was part of the Driverless subteam, which is responsible for designing autonomous driving systems for the team's electric race car. My primary responsibility involved updating and maintaining the ROS 2 controller system, also maintaining the system communication protocols via CANBUS, these are critical components of the vehicle's autonomous capabilities. This role required me to quickly acquire and apply knowledge beyond my formal education while also enhancing my programming skills in **C++, Python, XML**, and deepening my understanding of embedded systems. As a result of these efforts, the **vehicle's performance improved by 20%** compared to its previous version,measured during the track testing session, with an **on-time task completion rate of 95%**.

I deeply value every opportunity to contribute to engineering and foster my personal growth. My work experience, combined with my academic background, makes me an ideal candidate for the internship role at **Rio Tinto**. I can be easily reached via email or phone, as provided in the footer of this letter. I look forward to the opportunity to discuss my application further. Thank you for your time and consideration.

Sincerely,

Kelvin Le

Attachments: Resume, Cover Letter, Academic Transcript

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