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To the Hiring Team - Industrus Engineering (Graduate Program)

I like useful problems – the kinds that turn noisy data and complex constraints into decisions people can trust. Industrus' work at the intersection of infrastructure, sustainability and technology resonates with how I build: rigorous foundations, rapid iteration, and clear accountability. I'm applying for the Industrus Graduate Engineer program with a software/data focus and a track record of shipping working systems.

At ANT61 Robotics, I delivered real-time telemetry dashboards (React/TypeScript) and serverless data-validation and repair functions (AWS Lambda) for streaming field payloads. I worked shoulder-to-shoulder with embedded and firmware engineers (ROS2, CAN interfaces) to make the data that operators see accurate and timely. Beyond the code, I owned the reliability story – observability, documentation, and hand-offs – so cross-disciplinary teams could integrate faster with fewer surprises.

In my flagship project, **AuslanLive**, I built a real-time translator between English text and Australian Sign Language. I implemented a lightweight word-sense disambiguation model and grammar parsing tailored to Auslan (time-topic-comment), prioritising accessibility and energy-aware inference over brute-force scale. The project won People's Choice at the UTS Software Innovation Studio and continues to inform my approach to ethical, user-centred engineering.

Earlier at J.P. Morgan, I partnered with global stakeholders to streamline reporting and automate analyses. That experience sharpened my ability to translate between technical and non-technical audiences – keeping decision-makers aligned, resolving blockers quickly, and de-escalating when incentives clash. I bring the same habits to team projects at UTS (including an award-nominated game with structured playtests and custom physics), where I've led planning, reviews, and integration to deliver on tight timelines.

Why Industrus? Your portfolio-renewable energy storage, post-disaster transport planning, engineered timber and digital twins – demands engineers who are both inventive and dependable. I can contribute immediately on software foundations (data pipelines, APIs, visualisation), analytics and modelling, and the glue that connects disciplines: CI/CD, observability, and documentation. I'm comfortable prototyping quickly, testing rigorously, and narrating trade-offs clearly so stakeholders stay confident as solutions evolve.

Please view my online portfolio website on the link [here](#) to learn more about me and my work if you're interested.

Kind regards,

Albert Nguyen