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To the Hiring Manager,

I enjoy tackling useful problems – those that turn noisy data and complex constraints into reliable, ethical solutions. My approach is grounded in professional standards (Engineers Australia Stage 1 Competencies, data ethics principles) and combines rigorous foundations, rapid iteration, and accountability. I am seeking a graduate opportunity where I can contribute as a software or data engineer, building systems that people can trust.

At **ANT61 Robotics**, I designed and deployed real-time telemetry dashboards (React/TypeScript) and serverless data-validation and repair functions (AWS Lambda) for streaming field payloads. Working with embedded and firmware engineers (ROS2, CAN), I ensured operators received accurate and timely data. By implementing observability and documentation practices, I reduced integration delays by over **30%** and cut troubleshooting time from days to **under 24 hours**. This experience reinforced my commitment to accountability and clear communication across disciplines.

In my flagship project, **AuslanLive**, I built a real-time translator between English text and Australian Sign Language. I developed a lightweight word-sense disambiguation model and grammar parser tailored to Auslan's time-topic-comment structure. By prioritising accessibility and energy-aware inference, I achieved **sub-second translation speeds** while keeping memory usage below 1 GB. The project won *People's Choice* at the UTS Software Innovation Studio and continues to guide my user-centred and ethical design practice.

At **J.P. Morgan**, I partnered with global stakeholders to automate reporting and streamline analyses. My ability to translate technical outputs into accessible insights helped resolve blockers within **24 hours**, improved reporting accuracy, and built trust across teams with competing incentives. These experiences sharpened my ability to manage conflicts, align decision-makers, and maintain accountability under pressure.

Beyond technical skills, I bring strong **self-management** and leadership habits. I rely on structured scheduling, CI/CD pipelines, and documentation frameworks to stay accountable and transparent. As a project lead at UTS, I coordinated cross-disciplinary teams, ran structured playtests, and managed integration reviews – resulting in an **award-nominated game** delivered on tight deadlines. By quantifying progress and ensuring clear ownership, I reduced rework and helped my team deliver faster with fewer errors.

I am eager to apply these experiences to a forward-thinking organisation. I can contribute immediately to software foundations (data pipelines, APIs, visualisation), analytics and modelling, and the operational glue that connects disciplines: CI/CD, observability, and documentation. I am comfortable prototyping quickly, testing rigorously, and narrating trade-offs clearly so stakeholders remain confident as solutions evolve.

Please view my online portfolio at albertnn.com for more details about my work.

Kind regards,
Albert Nguyen