LACHLAN BLIGH

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OVERVIEW

I am a motivated computer science undergraduate with hands-on experience in software development, web technologies, and database management. I have demonstrated a proven ability to deliver complex software solutions in collaborative and independent settings through my work at an engineering design firm and at university. I enjoy staying active and healthy as the leader of several competitive and social basketball sporting teams.

PROFESSIONAL EXPERIENCE

Sigrist Design – Software Engineering Intern   **Apr 2023 – Jan 2025**

- Optimising the efficiency of our engineering and sales teams by developing custom-built web application solutions or improving existing pre-built solutions
- **Python**: Creating product specification data that was fed into our sales database from our downstream suppliers. This involved retrieving product data from our manufacturers and coding a Python algorithm to merge or modify the data before feeding it into our internal servers
- **JavaScript**: Developed a lead time estimation platform to better understand deal timelines. This involved a recursive algorithm that analysed data from our internal database and external APIs to retrieve manufacturing times, part specifications, and shipping/logistics information. This bespoke service greatly improved transparency, resulting in higher customer satisfaction
- **JavaScript**: Consolidated the internal websites used for sales, inventory, and work orders. Prior to this, the company had three separate and siloed websites. My first project was to unify these platforms, streamlining internal workflows
- **JavaScript**: Developed a program to automatically generate product summary PDFs for clients. Previously, the sales team manually wrote comprehensive emails, which was time-consuming and led to significant productivity loss. This tool integrated with the lead time estimation platform I had created earlier
- **Node.js**: Created a Google Firestore database for our stock. Using Google's web apps, it automatically updated inventory numbers. This database integrated with projects I had developed earlier, including the lead time estimation platform, product specification Python script, and the consolidated sales and work orders website

Vulture and Grey Bottle Shop Attendant   **Jan 2022 – Apr 2023**

- Processed sales transactions and assisted customers with basic product inquiries
- Stocked shelves and maintained store presentation
- Set up product displays and promotions
- Worked independently during shifts, including opening and closing duties
- Handled cash and balanced tills at the end of shifts

EDUCATION

University of Queensland   **Feb 2022 – Present**
Bachelor of Computer Science (Major in Programming Languages)

- Expected Graduation 2026
- **ReactJS**: Built a web application that retrieved real-time bus route data from the Translink API, displaying routes, stops, and arrival times on an interactive map. The application provided users with an intuitive way to plan their journeys by integrating live transit information with a user-friendly interface

SKILLS

- Programming (Work): Python, JavaScript (Node.js, React), Google Apps Script
- Programming (University / Personal): Java, C#, php, C++, R
- Databases: SQL, Firebase, Firestore