Richie Chen

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Education

Monash University   Expected Jun 2026
Bachelor of Advanced Computer Science (Honours) (GPA: 3.70 / 4.00)   *Clayton, VIC*
  - **Relevant Coursework:** Data Structures and Algorithms (Python), Object Oriented Design And Implementation (Java), Full Stack Development (Bootstrap, Angular)
  - **Achievements:** 85 WAM, 2023 Commendation Letter of Excellent Performance, 2024 Award For Highest Unit Grade (Games Prototyping)

Experience

Google   Nov 2025 – Feb 2026
Software Engineer Intern   *Sydney, NSW*
  - In my upcoming role, I will be working as a **Software Engineer Intern** for **Google** on the **Fibre Design team**.

Reecetech   Apr 2025 – July 2025
Software Engineer Intern   *Melbourne, VIC*
  - Contributed to front-end development using **React (TS)**, **Tailwind**, and **Vitest**, including revamping a side panel UI and **identifying/fixing flaws** in a core reusable toast notification component.
  - Led the back-end development of a new feature enabling the ability to **batch import of tens of thousands of contacts** into the **existing Reece ID System**, supporting **employee contact management** during **company mergers and acquisitions**. Utilised **Spring Boot (Java)**, **AWS S3**, and **MockBean** for development, integration, and testing.
  - Consisting of a 3-person intern team, developed a full-stack product (**React**, **Node.js**) that used **AI** to **analyse Microsoft Team meeting transcripts** and **automatically create Jira tickets** based on the context of an existing sprint board to **win a 25+ team company-wide hackathon**. Achieved **1st in category**, **3rd overall** and **1st in pitching**.

Reecetech   Jan 2025 – Apr 2025
Data Engineer Intern   *Melbourne, VIC*
  - Independently developed a slack bot cleaner using **Deno Slack SDK** to go beyond the scope of an original ticket and automate the **identification and removal of 300+ backup tables** within **SSMS**, reducing hours of manual effort and freeing up to **30% of disk space** for each database cleaned.
  - Developed a **Databricks CRON job** that regularly monitors the online status of **Power BI gateways and connections** using **PySpark**, **Power BI API's**, and **Healthchecks**.
  - Collaboratively researched, designed, and implemented **PII minimisation** methods across **SQL Server** and **Databricks**. Independently **identified flaws in existing approaches** and **introduced improved solutions** for obfuscating PII data.
  - Migrated **dimension** and **fact tables** from **legacy SSMS** to **Databricks** by converting **legacy SQL** into **Apache Spark SQL**. Enhanced the existing dashboard table validation process by introducing additional functionality, enabling the ability to make table comparisons between legacy and Databricks environments easier in the development stage.

Projects

DriverPack Mangement Website (Uni Project) | *Angular, Typescript, Express.js, GCP, Bootstrap, MongoDB, Firebase, Socket.io*
  - Developed RESTful APIs to create micro-services that integrate with Firebase and MongoDB for data storage and record management
  - Integrated a ChatGPT microservice and Google Firebase cloud services into the application using Socket.io.
  - Utilized Bootstrap to design and manage the front-end of the website, gaining experience in responsive design and front-end development.

Technical Skills

Languages: Python, Java, C++ , JavaScript, TypeScript, SQL
Technologies: React, Springboot, Tailwind, Vitest, AWS, Docker, Databricks, SQL Server (SSMS), Angular, Express.js, Bootstrap, Node.js, RxJS, Android Studio, MongoDB, Unity, Unreal Engine, Git, Github
Concepts: Data Structures and Algorithms, Object Oriented Design Principles, Functional Programming, Databases, Full-Stack Development, Cloud Computing, DevOps, Game Development, Restful APIs, Agile Methodology, CI/CD, Unit Testing, Integration Testing