

JUHWAN(JUSTIN) LEE

CONTACT INFO



+61493319306



ausjustin12@gmail.com



80 Park RD Homebush 2140 NSW



<https://www.linkedin.com/in/dataausjustin/>
<https://www.juhwanjustinlee.com>

PROFILE

Aspiring Data Engineer with hands-on experience in Python, SQL, AWS, and ETL pipelines. Currently completing a Bachelor of IT (Professional) at Victoria University, leading cloud data projects like UrSaviour and SiteSync Solutions. Combines technical skill and on-site discipline to deliver reliable, data-driven solutions. Available full-time from September 2025 with no limited working hour.

TECHNICAL SKILLS

- **Programming & Tools:** Python, JavaScript (React, Node.js), SQL, Docker, AWS (Lambda, RDS, S3), Git
- **Data Engineering:** ETL Pipelines, API Integration, Automation Scripts
- **Web Development:** Responsive UI/UX (Next.js, TailwindCSS), REST API Design
- **Soft Skills:** Leadership, Safety Awareness, Problem Solving under Pressure, Communication
- **Domain Knowledge:** Construction Workflow Systems, Technical Documentation, DevOps Collaboration

EXPERIENCE

City of Sydney, 09/2025-Present

International student leadership and ambassador

As an Ambassador in the City of Sydney's ISLA Program, I am currently planning and executing a community project to support international students. Through this role, I am contributing 60 hours of volunteer service while actively strengthening my skills in project management, leadership, and cross-cultural team collaboration.

YH Interior, 06/2024-09/2025

Team Supervisor

- Supervised construction site operations, achieving a 15% increase in project completion rates.
- Fostered collaboration by negotiating effectively with site engineers and supervisors to resolve issues swiftly.
- Provided guidance to installers, ensuring high-quality work and strict adherence to safety standards.

AI Business Analyst 09/2025 ~ Present Cancer Data Analyst Intern 01/2025 ~ 02/2025

- Extract valuable insights through in-depth analysis of cancer datasets.
- Enhance data exploration, visualization, and interpretation skills to communicate findings effectively.
- Provide data-driven recommendations for improving healthcare strategies.
- Evaluate data analysis technologies including PostgreSQL, Google Colab, and Generative AI.

Operations Clerk / Squad Leader 08/2019 ~ 03/2021

Republic of Korea Army Aviation Command

- Led a 7-member squad at the Republic of Korea Army Aviation Command, enhancing operational readiness.
- Maintained 24-hour operations at the brigade Command Center, ensuring effective communication across units.
- Supported real-time crisis responses, streamlining processes during high-pressure situations.

EDUCATION

Bachelor of Information Technology

Victoria University(Sydney Campus)

10/2024 ~ 09/2026

Diploma of Education, Information Technology

Victoria University(Sydney Campus)

10/2023 ~ 09/2024

Bachelor of Flight Vehicle Design and Engineering

Harbin Institute of Technology(Harbin, China)

08/2018 ~ 07/2022

*Grade: drop out of college after only two year

*Two years gap between 2019 and 2021, because of Military service

IT PROJECT

UrSaviour: Grocery Discount Assistant

05/2025 ~ Present

Team Leader, Data Engineering, Full-Stack for Product Page

Tech stack: Python, Data Engineering, ETL, EC2, Lambda, S3, RDS, MySQL, HTML, CSS, JS, Rest API

Architected and deployed a serverless, automated ETL pipeline on AWS, leveraging Lambda, S3, and RDS to process and structure unstructured PDF data. This system provided the data backbone for a consumer-facing application, demonstrating end-to-end project leadership from data ingestion to full-stack implementation

Personal Portfolio

10/2025

- Built a responsive Next.js / TailwindCSS site; integrated contact API + analytics
- Optimized load times and SEO metadata for visibility

Cloud Data Warehouse with AWS Redshift

06/2025

Tech stack: Python, AWS (S3, Redshift, IAM), SQL, ETL, Infrastructure as Code(IaC)

- Built a data warehouse on Amazon Redshift for a music startup. Developed a Python ETL pipeline using IaC for data integrity. Improved query performance with a star schema model.

Data Modeling with Apache Cassandra

05/2025

Tech stack: Python, Apache Cassandra, ETL Pipeline

- Designed and built a Python-based ETL pipeline to process and consolidate user activity data from a directory of CSV files for a music streaming app.
- Modeled data by creating a query-optimized Apache Cassandra (NoSQL) database designed to answer specific analytical questions about user song plays.
- Successfully migrated distributed raw data into a structured, queried, database, establishing an efficient foundation for the analytics team to perform their analysis.

Cancer Data Analyst (Python)

01/2025 ~ 02/2025

Tech stack: Python, PostgreSQL, Jupyter Notebook, Google Colab, pandas, Matplotlib, Seaborn, Plotly

- Analyzed 1.7M cancer records with Python/SQL, identifying tumor patterns and survival rates. Offered strategic insights to improve treatment outcomes.

MANAGEMENT PROJECT

Melonba Education Campus (Aluminium Door&windows)

05/2024 ~ 02/2025

Window & Door Installation Supervisor

- Managed 50-person team for a 7-building campus project. Acted as main liaison with architects/stakeholders to solve technical issues. Ensured 100% on- time completion with zero safety incidents through schedule management and safety protocols, ensuring client satisfaction.

Concord High School Upgrade (Aluminium Door&windows)

04/2025 ~ 09/2025

Window & Door Installation Supervisor

- Supervise 8 installers ensuring safety and quality. Liaise with engineers and stakeholders to solve issues and integrate feedback. Managed schedules, achieving 100% on-time completion with no incidents.