JUHWAN(JUSTIN) LEE

PROJECT MANAGEMENT INTERN | AI DATA & ECO OPERATIONS

CONTACT INFO

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PROFILE

Trilingual IT student (Korean/English/Chinese) with hands-on experience in data analysis, project management, and process optimisation. Skilled in Python, SQL, and cloud platforms, with practical experience leading annotation and automation projects. Passionate about supporting AI data ecosystems and social content platforms through accurate data modeling and efficient project delivery.

SKILLS

Languages : Python, SQL, JAVA
Data & Cloud Technology : AWS, ETL Pipeline Design, Data Modeling, Data Warehousing, Apache Cassandra MySQL, PostgreSQL, Data Structure,
Developer Tools : Git
Frameworks & libraries : Pandas, Matplotilb, Seaborn, Plotly, Scikit-learn
Coumunication : Project Management, Communication & Stakeholder Engagement

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   01/2025 ~ 02/2025
Intern

• 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.

AI Business Analyst   09/2025 ~ Present

Operations Clerk / Squad Leader

• 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   10/2024 ~ 09/2026
Victoria University(Sydney Campus)

Diploma of Education, Information Technology   10/2023 ~ 09/2024
Victoria University(Sydney Campus)

Bachelor of Flight Vehicle Design and Engineering   08/2018 ~ 07/2022
Harbin Institute of Technology(Harbin, China)
*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

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.