



JUHWAN(JUSTIN) LEE

SOFTWARE ENGINEERING INTERN

Software engineering undergraduate seeking an Engineering Intern position, with hands-on experience in software engineering, backend development, data engineering, and automation using Python, SQL, and AWS. Strong engineering foundation with academic training in flight vehicle design and mechanical engineering, combined with on-site leadership experience in large-scale infrastructure projects. Motivated to contribute to digital, software-driven, and data-driven maintenance solutions across mobility, transport, and large-scale infrastructure environments.

Work Eligibility: Currently on a Student Visa with permission to work up to 24 hours per week during academic terms. From September 2025, I will be on a Post-Study Work Visa with full-time work rights and **no requirement for employer sponsorship**.

IT WORK EXPERIENCE

Software Engineering Intern – Data Systems

JAN 2025 ~ FEB 2025 Ausbiz Consulting · Internship · Remote

- Developed Python- and SQL-based data processing pipelines to support automated data validation and reproducibility
- Implemented testing workflows to improve data quality and reliability
- Built data outputs to support operational and stakeholder decision-making
- Collaborated with cross-functional teams in an Agile environment
- **Supported software engineering tasks aligned with engineering intern responsibilities**

TECHNICAL PROJECTS

WWW.JUHWANJUSTINLEE.COM/PROJECT

UrSaviour – Full Stack Software Project (AWS & Python)

Team Lead (Data Engineering & Backend)

[https://www.linkedin.com/posts/dataausjustin_aws-dataengineering-python-activity-7396148194671374336-ane1?](https://www.linkedin.com/posts/dataausjustin_aws-dataengineering-python-activity-7396148194671374336-ane1?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEdTT8oBva1fwa9zicx0eKNHiP7o9gSA43o)

[utm_source=share&utm_medium=member_desktop&rcm=ACoAAEdTT8oBva1fwa9zicx0eKNHiP7o9gSA43o](https://www.linkedin.com/posts/dataausjustin_aws-dataengineering-python-activity-7396148194671374336-ane1?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEdTT8oBva1fwa9zicx0eKNHiP7o9gSA43o)

Tech stack: Python, SQL, AWS (Lambda, EC2, S3, RDS), MySQL, ETL, REST API, HTML/CSS/JS

- Designed backend services and ETL pipelines using Python, SQL, and AWS (Lambda, RDS, EC2)
- Implemented automated software workflows to support operational and maintenance decision-making in large-scale systems
- Led a cross-functional team through Agile sprint planning and version control (Git)
- Collaborated with frontend designers to deliver end-to-end system functionality

Healthcare Data Project – Software & Data Analysis

<https://drive.google.com/file/d/1C1FWasw1FXS9abcjHhO7sk9CAWMq6Fsq/view?usp=sharing>

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.

LEADERSHIP & OTHER EXPERIENCE

International student leadership and ambassador

City of Sydney · On-Site | SEP 2025 ~ Present

Team Supervisor

YH interior · Contractor · On-Site | JUNE 2024 ~ SEP 2025

- Led a workforce of approximately 50 personnel across direct and subcontractor teams
- Delivered works in compliance with safety, quality, and schedule requirements
- Coordinated on-site operations and stakeholder communication

Operations Clerk / Squad Leader

Republic of Korea Army Aviation Command | AUG 2019 ~ MAR 2021

CONTACT

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EDUCATION

Bachelor of Information Technology

Victoria University(Sydney Campus)
OCT 2024 ~ Sep 2026(Expected)

Diploma of Information Technology

Victoria University(Sydney Campus)

OCT 2023 ~ SEP 2024

Bachelor of Flight vehicle design and engineering

Harbin Institute Technology
SEP 2018 ~ July 2022

Completed by 2nd year of 4

Mechanical Technology (

Busan Technical High School
MAR 2015 ~ FEB 2018

SKILLS

- **Languages:** Korean, Chinese, English
- **Programming:** Python, Java, C++, SQL
- **Software Engineering:** Backend development, APIs, system integration, testing
- **Cloud & Systems:** AWS (Lambda, EC2, RDS), Linux, Docker
- **Data & Automation:** ETL pipelines, data processing
- **Tools & Methods:** Git, CI/CD, Agile/Scrum