

Diego Beuk

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WORK EXPERIENCE

Coles Group

Melbourne, Australia

IT Infrastructure Project Management Intern

January 2025 – June 2025

- Led data analysis for the Lifecycle Cost Management Project, assessing over 12,000 devices to inform multi-year financial strategies for four business units.
- Developed a dynamic Python-based cost estimation model for IT hardware procurement across the Ocado CFC portfolio, improving forecasting accuracy and reducing manual tracking effort for +200 purchase orders.
- Streamlined Agile workflows using Confluence and Jira, while delivering IT governance and technical reports to senior leadership, strengthening project compliance and alignment with organisational objectives.

Technologies: Python, Excel, Jira, Confluence, SharePoint, Infrastructure (Lifecycle, Governance, Network)

RMIT University

Melbourne, Australia

Research Assistant

July 2024 – September 2024

- Conducted a systematic literature review on indoor localisation, evaluating multi-sensor fusion methods (barometric pressure, Wi-Fi, and GPS) for real-world deployment.
- Built an Android application prototype to determine user floor levels via multi-sensor integration.
- Executed experiments integrating real-time weather station data for sensor calibration, enhancing global scalability and robustness of altitude-based floor estimation.

Technologies: Android Studio, Java, Figma, Wi-Fi/GPS sensor APIs

RMIT University

Melbourne, Australia

Research Assistant

September 2023 – November 2023

- Designed and developed an AR wayfinding app, integrating live geospatial, visual, and graph-based data for seamless indoor-outdoor localisation.
- Implemented a dynamic routing system using Google Street View, Geospatial API, and Neo4j for an immersive real-time graph-based navigation and immersive 3D visualisation solution.
- Collaborated with Google and The GPT Group stakeholders, leading user requirement gathering, usability testing, and presenting findings to refine the system.

Technologies: Android Studio, Java, Unity, Cesium 3D Tiles, Neo4j, Google APIs

EDUCATION

Monash University

Melbourne, Australia

Bachelor of Information Technology | GPA: 3.81/4.0

February 2022 – September 2025

- **Major:** Software Development
- **Relevant Coursework:** Web Fundamentals, Algorithms & Data Structures, Computer Systems & Security, Databases, Cloud Computing, Mobile App Development, IT Project Management
- **Honours & Awards:** Top Student University Commendation (Semester 1, 2024), Industry-Based Learning Placement Scholarship

Yonsei University

Seoul, South Korea

College of Computing, Exchange Program | GPA: 4.08/4.3

September 2024 – December 2024

- **Scholarship Award:** Destination Australia Cheung Kong Exchange Program
- **Activities & Societies:** Mentors Club, Yonsei English Society (YES)

SKILLS & LANGUAGES

Technical Skills:

- **Languages:** Python, Java, JavaScript/TypeScript, SQL, HTML, CSS, PHP
- **AI/ML & Data:** FastAPI, Agno, LangChain, Google ADK, n8n, FastGPT, BMAD, PostgreSQL, MongoDB, Chroma DB, Neo4j
- **Frameworks/Tools:** React, Vite, Android Studio, Unity, Jira, Trello, Confluence, Figma
- **Cloud & DevOps:** GCP (Vertex AI), Firebase, AWS, Docker, Git, npm, Ubuntu/Linux

Professional Skills:

- **Project Management & Analysis:** Agile/Scrum, Project Coordination, Stakeholder Communication, IT Governance, Data Analysis
- **Software Development:** Full-Stack Development, System Architecture Design, Test Automations, AI Agents & RAG Workflows

Languages Spoken: English (Native); Portuguese (Advanced); Spanish (Advanced); French (Intermediate)