Henry Meach

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EDUCATION

Monash University, Clayton Campus   Graduated December 2024

Bachelor of Computer Science, Specialisation in Data Science   *WAM: Distinction*
- Monash IT IBL Scholarship

Melbourne High School, South Yarra   Graduated 2020

WORK EXPERIENCE

Administrative & Data Entry Clerk   August 2023 – Present

Plan Managers   *Mount Waverley*
- Process National Disability Insurance Scheme (NDIS) invoices with a **40% faster rate** than the industry average (28 invoices per hour versus 20), ensuring accurate and timely payments to NDIS service providers
- Manage batch uploads and payments for **3,000+ invoices monthly**, ensuring a balance of funds received by providers with funds received by the NDIS
- Perform **data validation and quality control**, cross-checking invoice entries against NDIS compliance guidelines (pricing, item codes, date ranges), to mitigate errors and prevent fraudulent submissions to the NDIS
- Communicate with NDIS participants and service providers to **resolve payment inquiries and enforce compliance with NDIS standards**, reducing processing delays

Data Engineer Intern   July – December 2022

Origin Energy   *Melbourne*
- Automated image retrieval using **Python** with **Selenium**, scraping **10,000+ aerial-view images** of houses from Google Maps to train a machine learning model in identifying hot water systems
- Developed an **automated data pipeline**, packaging the Python script with **Docker** and storing images in **Amazon S3** for seamless integration in the machine learning model
- **Enhanced web app UI/UX** by re-designing components in **Figma** and implementing improvements with **JavaScript**, **CSS**, and **React.js**, streamlining average user interaction time by **20%**
- **Engineered backend logic** for React.js components with **Amazon DynamoDB** for data table CRUD operations and **AWS Lambda** for serverless functions
- Delivered a high-level demo of the updated web app for the Origin Technology team, showcasing improved UI/UX and conducting a software walkthrough to familiarise team members with key updates
- Developed performance monitoring dashboards in **Grafana** by querying **Amazon Redshift**, enabling real-time network and server usage analysis
- Managed project documentation in **Jira** and **Bitbucket**, authoring product requirements, system architecture visualisations, tool usage tutorials, and API documentation

VOLUNTEER EXPERIENCE

Vietnamese Students' Association   March 2022 – December 2023

General Committee Member
- Coordinated with committee members to plan and host cultural events, celebrating Vietnamese-Australian identity for **200+ university students**
- Designed and distributed promotional materials across multiple social media platforms, boosting event visibility and attendance
- Produced high-quality recap videos by filming and editing event highlights, showcasing member participation and driving social media engagement

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, R, SQL, HTML
Software Development: Git, GitHub, GitLab, VSCode, Visual Studio, IntelliJ IDEA, Android Studio, PyCharm, React, Next.js, Selenium, Docker, Amazon S3, Amazon DynamoDB, AWS Lambda, Amazon Redshift, Grafana
Project Management: Jira, Bitbucket, Figma, Slack, Notion, Microsoft 365, Tableau, Canva