

# James Dunwoodie-Rowley

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## Skills

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**Languages:** Python, C++, C#, Java, Bash, SQLite, TypeScript, JavaScript, MD, HTML, CSS

**AI/ML:** Pandas, TensorFlow, Vector Databases, Azure AI Foundry, LangChain, HuggingFace, LlamaIndex

**Dev Technologies:** FastAPI, React, DotNet, Docker, Jinja2, Swagger, Linux, Git, GitHub, GitHub Actions, CI/CD

**Other:** Jira, Confluence, Agile, Scrum, Kanban, Problem Solving, Teamwork, Communication

## Experience

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**AI Developer,** Fonterra, – 1 yrs 8 mos

Dec 2023 - Present

- Developed AI models for predictive maintenance
- Collaborated with cross-functional teams to integrate AI solutions

**AI Developer,** Fonterra, – 9 mos – Part-time

Apr 2023 - Dec 2023

- Assisted in the design and analysis of mechanical systems
- Conducted simulations using CAD software

**Data Intern,** Fonterra, – 4 mos

Dec 2022 - Mar 2023

- Assisted in the design and analysis of mechanical systems
- Conducted simulations using CAD software

## Projects

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**STL upload Portal**

<https://STL uploads>

- Performed thermal simulations to optimize HVAC system performance
- Reduced energy consumption by 15

## Education

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**University of Auckland** – Bachelor of Computer Science

2021 - 2024