Haomin Feng

Graduate Software & Backend Engineer

Melbourne, VIC 3147

Permanent Resident | Eligible for full-time eployment or internship

Contact

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Education

University of Melbourne | *Feb 2023 - Nov 2025*

Bachelor of Science | WAM: 81.55 (H1 Honours)

Relevant Course

- Algorithm (H1)
- Database System (H1)
- Software Modeling (H1)
- Artificial Intelligence (H1)
- Machine Learning (H1)
- Computer System (H1)
- Principal of Finance (H1)
- Corporate Financial Decision (H1)

Key Projects

Personal Website (2025 - present)

Astro | *React* | *Shadcn/ui* | *Tailwind css*

- Build up a personal blog website based on Astro with Shadcn/ui
- Deploy the website on vercel with the domain haomin.dev

eXpresso - Mentoring Platform (2025 IT Project)

Spring Boot | *PostgreSQL* | *Redis* | *Mybatis* | *Docker* | *AWS* | *React Native*

- Lead a 5-member group to implement a full-stack platform for students to find and connect with mentors
- Communicated regularly with clients to gather requirement and info
- Implemented *Firebase Auth + Spring Security* for secure JWT-based authentication
- Automated *CI/CD* pipeline via *Github Actions* and deployed on *AWS EC2* with *S3* file storage

Traffic Sign Classifier (2025 Machine Learning Project)

Python | *Pandas* | *Scikit-Learn* | *TensorFlow*

- Engineered image features (HOG, LBP, Haralick) and trained classifiers (SVM/CNN)
- Achieved > 95 % accuracy using PCA for dimensionality reduction

Achievement

- Consistent H1 results in Computer Science and Mathematics
- 2nd Place - Unimelb Hackathon (Sep 2023): Built a Python AI for a boxing game using rule-based strategies and game-theory analysis

Technical Skills

- **Language:** Java/Kotlin, Python, C, JavaScript/TypeScript, SQL, Prolog
- **Framework:** Spring Boot, React.js, Next.js, Docker, PostgreSQL
- **Concepts:** REST APIs, Design Patterns, Machine Learning, Version Control