

# Henrik Au-Young

0452 407 688 | me@henrikauyoung.com | <https://www.linkedin.com/in/hauyoung> | <https://portfolio.henrikauyoung.com>

## Full Stack Developer

Recent Computer Science graduate with hands-on experience in full-stack development. Proficient in building and maintaining web applications using modern frameworks. A quick learner, adept at rapidly mastering new technologies and contributing to collaborative team projects.

- Full Stack Development
- API Development
- Object-Oriented Programming
- Software Design
- Agile Development
- CI/CD
- Version Control (Git)
- Unit Testing
- Code Maintenance & Review
- Debugging and Research
- Problem Solving
- Database Design & Management

## PROFESSIONAL EXPERIENCE

### Software Developer Intern | LiveMine Solutions, Perth, WA

07/2025 – Present

- Engineered and maintained RESTful APIs using .NET and Entity Framework Core, enabling the real-time capture of operational data from the field, directly replacing paper-based systems.
- Developed responsive, data-driven user interfaces for web and mobile platforms using Vue.js (with Quasar/Vuetify) and TypeScript, allowing mine operators to visualize and manage data on-site.
- Contributed to an Agile/Scrum team by participating in sprint planning, conducting peer code reviews, and writing unit tests.
- Collaborated with senior developers to design and build client-facing API endpoints, providing mining customers with secure, direct access to their operational data.

Technologies Used: .NET, Vue.js, C#, TypeScript, Entity Framework Core, Azure DevOps, Microsoft Azure, Git

## PROJECTS

### Full Stack Trading Card Game Tracker

- Engineered a full-stack application featuring a FastAPI backend with custom web scrapers track real-time product price and stock data.
- Developed a responsive and secure front-end with Next.js, implementing JWT-based authentication to provide a personalized user experience with automated stock notifications.

Technology Used: Next.js, FastAPI, Python, Typescript, React, PostgreSQL, JWT Authentication

### AI Subtle Difference Detection

- Developed a deep learning system using a hybrid EfficientNet and VisualBERT model to identify and classify subtle differences between paired images.
- Managed the project lifecycle from custom dataset processing and visualisation to model training and performance evaluation.

Technology Used: Python, PyTorch, EfficientNet, VisualBERT, Matplotlib

## EDUCATION

### Edith Cowan University, Perth, WA

Expected Graduation - November 2025

Bachelor of Computer Science, Software Engineering

## TECHNICAL SKILLS

**Languages:** C#, JavaScript, TypeScript, Python, SQL

**Frameworks/Libraries:** Vue.js, .NET, React, FastAPI

**Database:** SQL Server, PostgreSQL

**Software/Tools:** Git, Azure DevOps, Visual Studio, VS Code