

# Matthew Xu

Australian Citizen | Computer Science Graduate

✉ [matthew.xu191@gmail.com](mailto:matthew.xu191@gmail.com) 📍 Melbourne, VIC 🌐 [matthxu.com](http://matthxu.com) 🐙 [github.com/matthxu](https://github.com/matthxu)

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## Summary

Computer Science graduate with a focus on full-stack development and software, seeking a technology graduate role. Member of the Swinburne Programming Club, and currently shipping production code for event management systems.

## Education

**Swinburne University of Technology**

Jun 2024 – Nov 2026

Bachelor of Computer Science (Software Development)

GPA: 3.417 / WAM: 78

## Projects

### **Ticketoi Event Management System**

[Vue.js, Node.js, Express, Prisma, MySQL, Docker, Agile]

- Built the Event History module end to end – Node.js/Express REST API with Prisma ORM for MySQL querying and a Vue.js frontend with status filtering and optimistic UI updates.
- Integrated Google Wallet, hooking the client and service logic to existing payment webhook flow.
- Served as Scrum Master – managed sprint planning, coordinated cross-team codebase merge, and facilitated client meetings and demos.

### **Smart Sticky Notes**

[React, TypeScript, Supabase, Claude API, Tailwind]

- Built a full-stack AI-powered note taking application with Supabase (PostgreSQL + Auth) for data persistence and the Claude API for intelligent features including auto-labelling, note expansion, tone rewriting, and semantic search.
- Designed the data model, configured Row Level Security policies, and built the React frontend with TypeScript, Zustand for state management, and TanStack Query for data fetching.

### **AI Phishing Model**

[React, Python, FastAPI, Scikit-Learn]

- Built a full-stack application implementing a RandomForestClassifier machine learning model with a React frontend and an asynchronous Python FastAPI backend.
- Linked automated model to API endpoints to serve predictions for classifying phishing links.

## Experience

### **Cohealth**

Apr 2022 - Jun 2023

Client Services Officer

- Managed patient data entry, provided client support, and collaborated with frontline healthcare teams in line with health protocols in a high-pressure environment.

### **Crown**

Nov 2021 – Sep 2022

Table Games Dealer

- Managed high-stakes, fast-paced table games with adherence to compliance and gaming regulations.

## Skills

### 🔗 Languages

TypeScript, Python, C#, C++, SQL

### 🔗 Frameworks, Libraries & Tools

React, Vue, Node, Express, Supabase, Tailwind, Git, Jira

## Awards

### **New Colombo Plan Scholarship**

Awarded highly competitive scholarship recognising academic performance to undertake overseas study in Japan.