

Andrew Wong

Full-Stack Software Engineer · CS '26 · University of Adelaide

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SUMMARY

Final-year CS student at the University of Adelaide (all exams complete; degree conferral expected late Sept/early Oct 2026). I build things people actually use — replaced a church's manual WhatsApp attendance chain with a production web app now in daily use, and won 2nd place at the CSC × UPC Hackathon 2025 with a platform pulling 100+ live events from six sources. When I see a process being done by hand that shouldn't be, I tend to end up writing the software for it. Looking for a graduate role where I can do that at a larger scale.

EDUCATION

Bachelor of Computer Science (Artificial Intelligence)

Sem 2 2023 – Jul 2026

Adelaide University — all exams completed, conferral expected late Sept/early Oct 2026

Bachelor of Mechanical Engineering

Sem 1 2023

University of Adelaide — transferred to CS after one semester

EXPERIENCE

Sales & Customer Service

Oct 2024 – Present

Myer — Adelaide, SA

- Sold high-value items across four departments, keeping customer satisfaction above 80% including a run of 13 consecutive 9–10/10 reviews.
- Ran end-of-day reconciliations across the floor: balanced registers, kept cash within threshold, printed variance reports for the Store Manager.
- Investigated a high-variance inventory count and identified a batch of wrongly scanned coffee machines, recovering several thousand dollars in stock.
- Took on team-leader duties during sale periods — coordinated the whole floor's sale-ticket changeover and break schedule.

Retail Team Member

May 2024 – Present

JB Hi-Fi — Adelaide, SA

- Helped customers find technology that actually suited what they needed, and hit sales targets doing it.
- Resolved customer problems that crossed departments, mostly under time pressure.

Kitchen Hand & Crew Trainer

2019 – 2022

McDonald's — Adelaide, SA

- Promoted from crew to trainer — ran the kitchen during peak hours and trained new hires on procedure and food safety in a store doing a few hundred covers an hour.

FEATURED PROJECTS

Mapster

2nd Place, CSC × UPC Hackathon 2025

mapster.city

- Pulled 100+ events from six live sources (Eventbrite, Ticketmaster, SA Tourism, Adelaide Festival Centre, and more) at launch, deduped against each other so the same event doesn't show up six times.
- Used OpenAI's Vision API to extract structured event details from photos of physical posters.
- Built the interactive map, Ticketmaster API integration, and dedup logic myself, with the HackerCodex team, in one hackathon weekend.

Stack — SvelteKit, TypeScript, Python, FastAPI, Supabase, Mapbox GL JS, OpenAI Vision API

Headcount

Live in production

headcount.andrwong.com

- Replaced a church's manual WhatsApp attendance process with a paste-to-import web app matching the exact message formats staff already used, so nobody had to change how they worked.
- Kept iterating post-launch: live paired-counting so two counters see each other's tallies in real time, a searchable returning-visitor lookup, and a stats view for pastors by week/month/year.
- Added Google SSO and a privileged-accounts system so only admins can change destructive settings.

Stack — Vanilla JS, Supabase (Postgres, Auth, Edge Functions), Resend, Cloudflare Turnstile

AI-Generated Text Detector

High Distinction — NNDL group project

- Traced a 0.877 AUROC plateau to a preprocessing bug (obfuscated Unicode/homoglyphs reaching the model uncleaned); fixed it and pushed the public Kaggle AUROC to 0.9101.
- Final model: a two-branch ensemble — fine-tuned RoBERTa-base blended with a GPT-2 perplexity + stylometry logistic regression head, weighted by cross-domain validation.
- Built a leave-domains-out validation protocol after catching a pseudo-labelling trick that scored 0.988 through data leakage.

Stack — Python, PyTorch, Hugging Face Transformers, scikit-learn

HCF Transport Calculator

- Automated a weekly manual passenger-to-driver assignment using Dijkstra's algorithm: high-priority passengers seated first, everyone else route-optimised by total distance.
- Address autocomplete via Mapbox Geocoding; routes render on an interactive MapLibre + OSRM map.

Stack — Next.js, React, TypeScript, Supabase, MapLibre GL, OSRM, Zustand

SKILLS

LANGUAGES JavaScript, TypeScript, Python, R, C++, MATLAB

FRAMEWORKS SvelteKit, Next.js, React, FastAPI, PyTorch, Hugging Face Transformers, scikit-learn, Tailwind CSS

DATABASES Supabase (PostgreSQL), MySQL

TOOLS Git, Figma, Vercel, Railway, Selenium, BeautifulSoup, Zustand, Kaggle

APIS OpenAI API, Mapbox GL JS, MapLibre GL, OSRM, Ticketmaster API, Resend, Google OAuth

OTHER Data analysis, regression modelling, systems design, web scraping, REST APIs, auth & access control, deep learning, NLP