

DAVID CAO

Hobart, Tasmania, Australia | kyonccw@outlook.com
GitHub: github.com/DarkDav1 | Portfolio: davcao.space

PROFESSIONAL SUMMARY

- Early-career IT and Technical Support professional in Hobart with experience in system support, security operations support, backend troubleshooting and technical documentation.
- Experienced with Microsoft 365, Windows, macOS, Ubuntu Linux, user access, MFA, networking fundamentals, REST APIs and database issue investigation.
- Built practical projects across web deployment, CMS configuration, algorithmic forecasting, UI/content structure, security monitoring and homelab automation.
- Strong communicator with media and copywriting background; seeking full-time on-site IT Support, Technical Support or junior systems support work in Hobart.

SKILLS

Technical Skills: Python, JavaScript/TypeScript, SQL, Node.js, Express, FastAPI, Next.js, REST APIs, algorithm design, rule-based scoring, data handling

Tools & Platforms: GitHub, Vercel, Payload CMS, Docker, Ubuntu, Microsoft 365, Outlook, Teams, OneDrive, Tailscale, Telegram Bot API

IT Support & Systems: Windows, macOS, Linux, hardware/software troubleshooting, user access, MFA, permissions, DNS, DHCP, VPN, Wi-Fi, Wireshark

Security Skills: Security monitoring, web security checks, exposed route review, security headers, vulnerability prioritisation, alert workflow, NIST CSF 2.0, Splunk, CrowdStrike Falcon, Tenable/Nessus

Soft Skills: Technical documentation, UI/content structure, product thinking, stakeholder communication, root cause analysis, plain-English issue explanation

Languages: Mandarin Chinese native, English professional working proficiency, Japanese currently learning

WORK EXPERIENCE

Graduate Cyber Security Analyst Intern

CareSuper | Hobart, Tasmania | Oct 2025 - Jun 2026

- Supported security and system issue workflows by reviewing alerts, checking evidence, documenting findings and escalating issues through internal processes.
- Assisted issue investigation for internal teams, including system information review, follow-up notes and remediation tracking.
- Maintained security documentation, risk registers, control mapping records and evidence notes with attention to accuracy and confidentiality.
- Communicated technical findings in plain English for technical and non-technical stakeholders.

Back-End Developer Intern

Active Work Laboratory, University of Tasmania | Hobart, Tasmania | 2024

- Helped build and maintain backend features for a workplace health intervention project using Node.js, Express, TypeScript, AdminJS, Sequelize, REST APIs and database models.
- Investigated API, database, login and user management issues, then tested and documented fixes.
- Supported backend troubleshooting in a small technical team, building experience with live system behaviour and structured development workflows.

Senior Copywriter

Shanghai D&S Media | Shanghai, China | 2019 - 2023

- Produced scripts, campaign copy, reports and client-facing documents for automotive brands; worked with designers, account managers, clients and production teams under tight deadlines.
- Translated technical and product information into clear content, building writing and stakeholder communication skills now used in IT support and documentation.

Journalist

Top Driver | Shanghai, China | 2017 - 2019

- Interviewed automotive professionals and converted technical vehicle information into clear print and digital articles.

PROJECT EXPERIENCE

Personal Portfolio Website

Personal Project | Website: davcao.space

- Built and maintained a personal portfolio website using Next.js, Payload CMS, GitHub and Vercel, with content structure, CMS configuration, deployment checks and production troubleshooting.
- Improved production security by reviewing exposed routes, tightening security headers and verifying live deployment; used the site to present projects, technical writing and UI/content structure.

Coastal Fishing Forecast

Personal Project | GitHub: github.com/DarkDav1/Coastal_Fishing_Forecast

- Built a coastal fishing forecast engine using algorithmic and rule-based scoring across weather, tide, location and water-type signals.
- Designed cautious location handling for beaches, rocks, jetties, estuaries and unsupported inland areas; developed CLI workflows, forecast outputs and product documentation.

Exertime Backend Server

Internship Project | GitHub: github.com/mslfh/exertime_server

- Contributed to backend development for a workplace health intervention system using Node.js, Express, REST APIs and database models.
- Investigated login, API, database and user management issues, then tested/documentated fixes and supported backend troubleshooting.

Security Hub

Personal Project | GitHub: github.com/DarkDav1/openclaw-security-hub

- Built and deployed a Docker-based homelab security automation platform on Ubuntu using Python, FastAPI, Linux, Tailscale, Telegram Bot API and OpenClaw.
- Automated security monitoring for SSH failures, exposed services, disk usage and gateway health; generated alert notes, daily briefings, dashboard JSON and NIST CSF 2.0 self-assessment outputs.

Threat Intelligence Dashboard

Personal Project | GitHub: github.com/DarkDav1/cocky-openclaw

- Built a web-based information dashboard that collects, organises, and displays security intelligence from public sources including CISA KEV, NVD, FIRST EPSS, Microsoft Security, Unit 42, Cisco Talos, and The DFIR Report.
- Developed content collection and normalisation workflows to turn mixed external security updates into structured, readable dashboard outputs.
- Designed dashboard views including a daily CVE radar, threat research watchlist, and defender action checklist to support fast information review.

EDUCATION

Master of Information Technology and Systems

University of Tasmania | Hobart, Tasmania | Completed 2024 | GPA: 6.0 / 7.0

Bachelor of Vehicle Engineering

Shanghai University of Science and Engineering | Shanghai, China | Completed 2017

CompTIA A+ Core 1

Completed 2026 | CompTIA A+ Core 2 in progress

ADDITIONAL INFORMATION

- Work Rights in Australia: Temporary Graduate Visa subclass 485 with full work rights
- Availability: Available immediately for full-time, on-site work in Hobart
- Driver Licence: Yes
- Long-term Interest: Building a stable IT career in Tasmania