



Chris (Cheng) Li

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Master of Computer Science student at University of Sydney with hands-on experience in Python development, data analytics, and cloud deployment. AZ-104 certified. Personal experience trading futures, forex, and options. Seeking a software engineering internship to apply Python, data analysis, and Linux skills in a trading environment. Based in Sydney and is also resident of HK and Mainland China.

Websites, Portfolios, Profiles

- craftedbychris.dev

Skills

- **Cloud & DevOps:** AWS, Microsoft Azure (AZ-104 Certified), GitHub Actions CI/CD, Git, Linux, SSH
- **Languages:** Languages: Java, JavaScript, Python, PHP, Swift, C++, SQL
- **Frameworks & Tools:** CakePHP, Flask, Node.js, Pandas, Bootstrap, Firebase, REST API Development
- **Databases:** MySQL, MongoDB, Cassandra, Neo4j, Firebase Firestore
- **Methodologies:** Agile/Scrum, Object-Oriented Programming, REST API Development, Software Testing & QA, Data Analytics

Experience

Web Developer *Acoem Australasia, Melbourne, VIC | June 2025 - November 2025*

Built and shipped internal environmental reporting system using Python and Flask API, taking it from initial development to production deployment and eliminating manual data processing as part of Monash University project in collaboration with Acoem.

- Built automated data processing and reporting pipeline using Python, Flask, and Pandas, eliminating manual data workflows
- Developed REST API for data ingestion, transformation, and report generation
- Deployed and maintained application on Linux environment with shell scripting, SSH, and cloud infrastructure (AWS, Azure)

Software Engineering Intern *China Railway Groups, Kunming China | November 2024 - January 2025*

Contributed to internal engineering software supporting coordination of large-scale railway and dam construction projects across multiple sites.

- Developed and maintained internal project management software in Java and C++ used to coordinate large-scale railway and infrastructure construction projects
- Liaised between engineering staff and development team across Mandarin and English to translate operational requirements into software improvements

- Coordinated with senior engineers on iterative releases and feature prioritisation using Agile methodology

Full Stack Web Developer *Personal Project | January 2026 - Current*

Atelier — CEFR-graded French learning platform · solo · french.chrisverse.uk

TypeScript · Next.js 16 / React 19 server actions · MongoDB · zustand · JWT

- Designed and built end-to-end: 240 lessons across 48 modules and 4 tracks (A1 → B2), 20+ exercise types, spaced-repetition vocab, multi-region francophone TTS.
- Custom JWT-in-httpOnly auth (bcrypt, constant-time login, graceful auth-backend degrade) with full account management and a multi-plan subscription system (Free / Monthly / Annual / Lifetime / per-module) with discounts and cancel-at-period-end.
- Cross-device state sync — MongoDB as source of truth, zustand persist as offline cache, debounced PATCH, first-login migration heuristic for pre-account progress.
- Fully bilingual FR/EN UI; stable errorCode enum from server actions, translated client-side.
- Orchestrated parallel Claude Haiku agents to author ~800 vocab cues and 44 vocab-aligned reading passages, using per-lesson JSON sharding and idempotent Python integration.

Education

Master of Computer Science in Software Engineering *University of Sydney, Sydney | Expected in June 2027*

Relevant coursework — Parallel & Distributed Computing, Network Science & Graph Algorithms, Software Quality Engineering, Data Analytics

Bachelor of Information Technology in IT *Monash University, Melbourne, VIC | December 2025*

Relevant coursework: Data Science, Computer Systems Networks & Security, Advanced Database Design, Software Engineering Architecture & Design, Full Stack Development, Object-Oriented Design, IT Project Management, Mobile Application Development

Introduction to Data Science (79 D), Introduction to Programming (93 HD), Fundamentals of C++ (88 HD), Programming Fundamentals in Java (91 HD), Advanced Database Design (77 D)

A Levels in Maths, Physics And Chemistry *Ipswich School, Suffolk, England | June 2022*

Certifications

AZ-104 Azure Administrator Associate

Credential ID: DBF60EA335BE7D49

Certification number: 347C00-6C3DDL

Languages

- Mandarin Chinese: Native/bilingual
- English: Native/bilingual
- French: intermediate