

# Andrew Cheng

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0403 475 997

Andrews Farm, South Australia

Full Working Rights

## SKILLS OVERVIEW

- **Programming Languages:** C++ | Python | C#
- **Data:** Power BI | SQL | NoSQL | Data ETL | Data Cleaning | Data Analysis | PostgreSQL | Business support | Excel | Spark
- **Web Development:** HTML | CSS | JavaScript | PHP | Node.js | Vue | Chart.js | MVC | UI design | JSON | Git
- **Cloud Computing & DevOps:** GCP | AWS | Docker | Docker Swarm | Kubernetes | Jira | Slack | Trello
- **IT Support & Technical Skills:** Hardware & Software Installation | Electronics and IT hardware diagnostics and repair.
- Strong academic background (MSc, BSc) integrated with proven analytical, problem solving and research skills.

## CAREER STATEMENT

I am a proactive and detail-oriented professional with a strong passion for data analysis, software development, and IT support. I love tackling challenges and finding IT solutions that make a real difference. I am someone who thrives in a team, bringing positive energy to every project and always looking for ways to improve processes. I am fluent in multiple languages, which helps me connect and collaborate effectively in multicultural environments. My goal is to contribute to a team where I can use my skills to drive success and make a meaningful impact.

## EMPLOYMENT HISTORY

Feb 2024 – Current

### ***Technical Officer / Senior Research Assistant***

The University of Queensland & Queensland Childrens Hospital – Brisbane, Australia

- Duties:
- Developed and integrated functionalities of software applications using Node.js, HTML, CSS, and JavaScript, resulting in a 30% increase in user engagement.
  - Built a web-based questionnaire for the Movement Behavior Questionnaire, providing data visualization for parents and researchers.
  - Improved software applications based on feedback from researchers and parents, increasing application efficiency by 20%.
  - Collaborated with cross-functional teams to gather requirements, troubleshoot issues, and implement solutions, ensuring seamless integration of new features and reducing system bugs by 15%.

Jan 2024 – Mar 2024

### ***Data Analyst***

Desygner – Gold Coast, Australia

- Duties:
- Conducted data cleaning using MySQL Workbench, significantly improving database quality by 40%.
  - Processed customer and user data for visualisation, aiding strategic decision-making and improving decision-making speed.
  - Implemented GDPR policies for data security and compliance, achieving 100% compliance in data management practices.

- Managed DevOps/GitHub source control processes for data projects, ensuring version control and streamlined collaboration, reducing integration time by 25%.

Dec 2017 – July 2021

### ***IT Support Specialist***

Chinese Cultural University – Taipei, Taiwan

- Duties:
- Managed university-wide computer systems and projectors, ensuring minimal downtime and increasing system uptime by 25%.
  - Interacted with faculty members to diagnose and resolve technical issues, achieving a 90% resolution rate within the first hour of reporting.
  - Coordinated with vendors for parts replacement and warranty services, reducing maintenance costs.
  - Facilitated the installation and maintenance of hardware and software, ensuring compliance with corporate security policies and standards.

## **EDUCATION BACKGROUND**

### Academic Qualifications

July 2022 – June 2024

### **Master of Computer Science (Management)**

The University of Queensland – Australia

Thesis:

- Developed parallelized passive radar systems using CUDA on GP-GPU platforms, optimizing performance with FFT-based correlation and real-time data.
- Conducted algorithm analysis, performance evaluation, and bottleneck identification, ensuring efficient and reliable radar processing.

July 2017 – July 2021

### **Bachelor of Computer Science and Information Engineering**

Chinese Culture University – Taiwan

## **REFEREES**

Reference Name	Position	Organisation	Phone Number	Email Address	Relationship
Dr Konstanty Bialkowski	Senior Lecturer	The University of Queensland	07 336 52766	ksb@uq.edu.au	Thesis supervisor
Jerry Chen	AI Engineer	Desygner	0423 339 538	jssyc13@gmail.com	Previous Colleague
Stewart Trost	Researcher & Conjoint Professor	The University of Queensland & Queensland Children's Hospital	07 334 67768	s.trost@uq.edu.au	Current Supervisor