

Andrew Cheng
DATA ANALYST | SOFTWARE ENGINEER | IT SUPPORT
Address: 12 Foster Rd, Andrews Farm SA 5114
Phone: 0403 475 997 | Email: a88615123@gmail.com
LinkedIn: <https://www.linkedin.com/in/andrewcheng887/>
Portfolio: <https://zreddd.github.io/portfolio/>
(Full-time working right)

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/UX | 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.
- A qualified Software Engineer from Adelaide with one year of experience working as software engineer at Queensland Children hospital (and 3 months working as Junior Data Analyst for a software company called Desygnr). Also, 4 years' experience as IT support at Culture University.
- Holder of a master's degree in computer science from the University of Queensland. I have hands-on experience in web development, cloud computing, data analysis, and IT support.
- Successfully involved multiple projects namely:
 - **Desygnr:**
 1. Cleaning the company database of inactive users (5+ years) and generating a data visualization report.
 - **Queensland Children's Hospital and The University of Queensland:**
 1. Developed web applications for Movement Behavior Questionnaire, enhancing data visualization.
 2. Provided accessible data to support a clearer understanding of children's behavior and needs
 - **Culture University:**
 1. Managed university-wide computer systems and projectors, reducing breakdowns
 2. Facilitated the installation and maintenance of hardware and software.

EMPLOYMENT HISTORY

| | |
|---------------------------|---|
| February 2024 – Current | TECHNICAL OFFICER / SENIOR RESEARCH ASSISTANT The University of Queensland & Queensland Children's Hospital – Brisbane, Australia <i>Duties:</i> <ul style="list-style-type: none">• 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%. |
| January 2024 – March 2024 | DATA ANALYST Desygnr – Gold Coast, Australia <i>Duties:</i> <ul style="list-style-type: none">• Conducted data cleaning using MySQL Workbench, significantly improving database quality by 40%.• Processed customer and user data for visualization, 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%. |
| December 2017 – July 2021 | IT SUPPORT SPECIALIST 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**
The University of Queensland – Australia

Key Study Areas: Data Science and Analytics | Cloud Computing and Distributed Systems | Software Engineering and Development | Web Development and Mobile Applications | Business Analytics and Statistical Decision-Making

Thesis: **Developed parallelized passive radar systems using CUDA on GP-GPU platforms, optimizing performance with FFT-based correlation and real-time data.**

Duties: Conducted algorithm analysis, performance evaluation, and bottleneck identification, ensuring efficient and reliable radar processing.

Key Project:

1. Analyzed data sets in data lake and warehouse for business insights.
2. Utilized data mining algorithms for predictive accurate data set.
3. Developed and deployed a scalable online course website on GCP using PHP, CSS, HTML, and JavaScript.

July 2017 – July 2021 **BACHEOR OF COMPUTER SCIENCE AND INFORMATION ENGINEERING**
Culture University – Taiwan

Key Study Areas: Big Data | Cloud computing | Embedded system | Algorithm | Software development

REFEREES

Dr Konstanty Bialkowski

Senior Lecturer
The University of Queensland
St Lucia, Brisbane Queensland 4072
P: 07 336 52766
E: ksb@uq.edu.au

Dr Konstanty is my thesis supervisor during my Master of Computer Science at The University of Queensland.

Jerry Chen

AI Engineer
Desygner
Level 664 Ferny Avenue, Surfers Paradise, QLD 4217
P: 0423 339 538
E: jssyc13@gmail.com

Jerry Chen is my colleague during my data analyst role in Desygner

Stewart Trost

Researcher & Conjoint Professor
The University of Queensland & Queensland Children's Hospital
494 Stanley Street, South Brisbane Queensland 4101
P: 07 334 67768
E: s.trost@uq.edu.au

Stewart Trost is my current supervisor during my Technical Officer/ Senior Research Assistant at The University of Queensland & Queensland Children's Hospital.