

# Austin Chung Khai Rui

## Software Developer



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🐙 [github.com/AustinCKR](https://github.com/AustinCKR)

### 👤 Profile

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Passionate software developer with strong problem-solving skills and a keen interest in learning new technologies. Highly adaptable and eager to take on challenges, with hands-on experience in IoT, web, and AI-based projects developed through teamwork and self-initiative.

### 🌐 Languages

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Chinese	English	Malay
Native	Proficient	Basic

### 🎓 Education

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09/2022 – 06/2025	<b>Bachelor of Computer Science</b> Swinburne University of Technology Sarawak <a href="#">🔗</a> <b>Major:</b> Software Development   <b>Minor:</b> Big Data Analytics <b>CGPA:</b> 3.95 / 4.00
09/2021 – 07/2022	<b>Foundation in Information Technology</b> Swinburne University of Technology Sarawak <a href="#">🔗</a> <b>CGPA:</b> 3.93 / 4.00
01/2016 – 12/2020	<b>Sijil Pelajaran Malaysia (SPM)</b> SMK Sungai Maong <b>Grade:</b> 1A+, 2A, 4A-, 2B+

### 📁 Projects

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#### Key Projects & Technical Work

- Customer Support System (Integration of WhatsApp, Facebook Messenger to a web application)
  - Implemented analytics dashboards, user and team management modules, and chat history functionality for the Customer Support System
  - Designed a reusable, dynamic table component supporting multi-select, search, filtering, pagination, detail expansion, and data export in multiple formats
- Park Guide Learning Management System [🔗](#)
  - Built a web application enabling users to create and edit modules, questions, and access an analytics dashboard
  - Developed a mobile app for users to take exams, apply for licenses, and access learning modules, with tutor functionality for grading
- Smart Home System (IoT) [🔗](#)
  - Developed an automated fan system that activates based on proximity, temperature, and light intensity
  - Integrated Arduino and Raspberry Pi for real-time data collection and remote monitoring via a web dashboard
  - Connected the system with a Discord bot and AI model for remote control through server commands

## Other Projects

- Smart Fan System (IoT) [↗](#)
- Mobile Forum Application (Android)
- Circle Clicker (C#)
- Pokemon Survivor (C++) [↗](#)
- Human Emotion Recognition Model (Python, CNN) [↗](#)
- Credit Risk Prediction Model (Python) [↗](#)
- Real Time Malaysian Car Plate Detection System (CRNN, Yolo, Retinex) [↗](#)

## Skills

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### Coding Languages & Frameworks

Python, C, C++, C#, HTML, CSS, PHP, JavaScript, Java, Kotlin, SQL, Laravel, React JS, React Native, Tailwind CSS

### Technical Skills

Git, Object Oriented Programming, Data Structures and Patterns, Database Design, Data Science, AWS (EC2, RDS, S3), IoT systems (Arduino, Raspberry Pi, simple wiring and coding), Artificial Intelligence, Predictive Models

### Digital Skills

Microsoft 365 Applications (Word, Excel, PowerPoint, etc.),  
BI Tools (Power BI, Tableau),  
Prototyping & UI / UX Designing Tools (Figma, Adobe XD, Draw.io)  
Adobe Creative Design Tools (Photoshop & Illustrator)

## Experience & Community Services

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| 04/2017 – 04/2020 | <b>First Aider</b><br><i>St. John Ambulance Sarawak</i> <ul style="list-style-type: none"><li>• Volunteer for charity run and sports competitions</li><li>• Person in charge of St. John Ambulance of SMK Sungai Maong for the Cheshire Home Charity Sale (Jul 2019), leading a team of 10</li></ul> |
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## Awards

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| 10/2025 | <b>Year 1 – Year 3 Six-Time Dean's List Recipient for All Semesters</b><br><br><b>Outstanding Performance in the Bachelor of Computer Science</b><br><i>NEUON AI Sdn Bhd</i><br><br><b>Top Scorer of Computing Technology Innovation Project</b><br><br><b>Top Scorer of Intelligent Systems</b><br><br><b>Top Scorer of IT Security</b> |
| 05/2025 | <b>Swinburne Faculty of Engineering and Computer Science Final Year Project 2025, Sem 1 'Best Group Award' Recipient</b><br><i>SOCOE Sdn Bhd</i>   |
| 04/2025 | <b>Top Scorer of Software Engineering Project A</b>  |
| 03/2024 | <b>Top Scorer of Data Structures and Patterns</b>  |
| 08/2017 | <b>2017 Young Innovative Challenge Bronze Award Recipient</b>  |