

Chua Chen Yi

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Experience

Embedded Systems Engineer

Oct 2021 - Feb 2023

The Propz Company Pte Ltd | Bugg Design And Services Pte Ltd

Responsible for all aspects of electronics design and integration with new or existing products.

- Develop electronics based solution for a myriad of simple to complex operational challenges.
- Identify and source for required electronic components such as micro-controllers and sensors.
- Fabricate solutions, using methods such as CAD, additive manufacturing, laser cutting and PCB design.
- Assist in ad-hoc software related tasks, including writing of automation scripts and data analysis
- Fast time-to-market directly secured several contracts otherwise lost.

Assistant Engineer

Jan 2022 - Mar 2022

KISTAR Pte Ltd

- Updating of programmable logic controllers.
- Diagnostic and troubleshooting of laser rangefinding systems.
- Perform maintenance and ensure reliability of equipment before commissioning.

Assistant Engineer

Mar 2017 - Aug 2017

ST Electronics

- Installation of various electronics components into vehicle bodywork.
- Perform diagnostic and troubleshooting of upgrade package
- Logistical and administrative support for on-site engineers.

Education

Singapore Institute of Technology

Aug 2023 - Aug 2026

BSc (Hons) in Applied Artificial Intelligence

Singapore Polytechnic

Apr 2023 - Sep 2023

Specialist Diploma in Data Science (Vision and language Analytics)

- CGPA: 4.0/4.0

Singapore Polytechnic

Apr 2022 - Mar 2023

Specialist Diploma in Data Science (Artificial Intelligence)

Singapore Polytechnic

Apr 2015 - Mar 2018

Diploma in Engineering with Business

Certifications

AI4I

Feb 2024

Literacy in AI

Wong Fong Academy

Feb 2022

WSQ Work at Height

Skills

Languages: English, Chinese

Software: C, Python, R, HTML, CSS, PyTorch, OpenCV, TensorFlow, Databases, Web Systems, Networking

Hardware: Electronics, PCB Design, CAD, 3D Printing, Laser Cutting/Engraving