

Benjamin Tan En Zhe

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Education

Monash University Malaysia

Jul 2022 - Jul 2026

Bachelor of Software Engineering (Honours) (CGPA: 3.8/4.0)

Projects :

- Led team in developing Agile Management Tool website as Scrum Master, delivering tailored solutions to meet client needs.
- Innovated and presented a prototype addressing natural disaster mitigation for James Dyson Award competition, utilising SolidWorks and 3D printing expertise for prototyping.
- Developed dynamic e-commerce site for client companies using JavaScript, Node.js, Next.js, and Firebase elevating client brands and improving customer engagement.
- Collaborated with a team of 3 to develop a Java game similar to 'Minecraft,' using Java and JavaFX, showcasing teamwork and coding proficiency.
- Guided a team in designing and implementing an HVAC system, using Arduino and Python.
- Built an AI-driven Pac-Man game leveraging advanced machine learning algorithms to adapt gameplay strategies intelligently, showcasing innovative problem-solving.

Sunway College

Jul 2021 - May 2022

Pre-U: Monash University Foundation Year (MUFY) (CGPA: 4.0/4.0)

- Received Sunway College 2021 Entrance Scholarship

Experience

Greatech Technology Berhad

Electrical Technician

Dec 2022 - Feb 2023

- Led the assembly, installation, and maintenance of advanced automated machinery for First Solar US, achieving a 15% increase in operational efficiency.
- Expertly interpreted technical drawings for both electrical and mechanical systems, facilitating seamless collaboration between engineering teams and ensuring project accuracy and efficiency.

CARiNG Pharmacy

Apr 2021 - Jul 2021

Pharmacy Assistant

- Successfully hosted a health screening campaign, contributing to improved community health efficiency, promoting preventive care and wellness awareness.
- During the pandemic, dispensed information on both prescribed medications and over-the-counter products, resulting in a 30% increase in sales for recommended items

Leadership & Activities

Institution of Civil Engineers (ICE) Monash Malaysia

Event Manager

Feb 2024 - Feb 2025

- Organised and facilitated workshops or seminars on innovative engineering practices.
- Collaborated with industry professionals to host networking events for members.
- Served as emcee and host for key events, enhancing event engagement and smooth coordination.
- Spearheaded community outreach projects to promote civil engineering awareness

Google Developer Student Clubs (GDSC) Monash Malaysia

- Participated in the Google Workspace Hackathon 2024; led the team to become one of the top 8 finalists,
- Actively participated in key events, developing practical skills in machine learning, artificial intelligence, and cloud computing through hands-on engagement.
- Collaborated on innovative projects during Google Developer Student Clubs (GDSC) Monash events, showcasing teamwork and problem-solving abilities.

SMJK Chio Min (High School)

Jan 2016 - Dec 2020

- Vice President of the Chio Min Philharmonic Orchestra and Sector Leader of the Percussion Section, actively participating in the 2017 - 2020 Malaysia International Music Art Festival.
- Vice President of the Tennis Club and a State Player.
- President of the Photography and PA System Club.
- Elected as Class Secretary
- Contributed as Librarian

Skills & Languages

Hard Skill: Python, Java, HTML/CSS, SQL, SOLIDWORKS, MATLAB, C, Machine Learning, AI, JavaScript

Soft Skill: Decision Making, Communication, Leadership, Multi-tasking , Problem-Solving, Creativity

Language: Native English and Mandarin and Malay Speaker ; Fluent in Hokkien and Cantonese dialect