

# NG JIN SHAN

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Melbourne, VIC 3000

## EDUCATION

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**Monash University** | Bachelor of Engineering (Honours) 2018 - Present

Major: Software Engineering

GPA: 3.823 | WAM: 83.105

**Sunway University** | A-levels 2017 - 2018

Subjects: Physics, Chemistry, Mathematics

2A\* 1A

## EXPERIENCE

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**Monash University** Clayton, Victoria  
*Software Developer* Oct 2022 - Present

- Designing database to keep track of companies that have or had contracts with Monash

**Monash University** Clayton, Victoria  
*Research Assistant* May 2022 – Jul 2022

- Developed website for a project related to NLP using React Typescript

**Fusionex** Petaling Jaya, Malaysia  
*Business Analyst Intern* Nov 2021 – Jan 2022

- Involved in full-stack development of a core product, GIANT, using ASP.NET Core, Vue.js and MongoDB

**Dassault Systemes** Petaling Jaya, Malaysia  
*Web Developer Intern* Jun 2021 – Nov 2021

- Involved in full-stack development of in-house service portal using PHP, JavaScript, HTML5, CSS and MySQL

**Monash University Malaysia** Sunway, Malaysia  
*Research Assistant* Apr 2021 – Oct 2021

- Trained a deep-learning AI model to diagnose breast cancer using histopathological images using PyTorch along with Lime to explain the model results
- Developed API to use that trained model using Flask and a website using React

**Curlec** Petaling Jaya, Malaysia  
*Software Engineer Intern* Dec 2020 – Feb 2021

- Spearheaded a demo bank system which demonstrates a new real-time direct debit transaction using the MERN stack
- Developed a new subscription-based system to offer their services/products as subscriptions using React, DjangoRestFramework and PostgreSQL

## PROJECTS

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### ADHD Simulation

- Conducted research and developed VR environment to simulate ADHD symptoms using Unity as an empathic approach for requirements engineering

### Minizinc Auto-grader

- Designed and developed the frontend for an auto-grading platform for my final year project using React Typescript

### Shindo

- Designed and developed an NFT website at [shindo.me](https://shindo.me) using React

### Ah Her Food

- Developed an order management system website using the MERN stack

### Ng Dental

- Developed a static website at [www.ngdentalclinic.com](https://www.ngdentalclinic.com) using React

### Attendance

- Developed an attendance capturing mobile application for Monash's School of Medicine which uses geofencing and geolocation to capture students' attendance for my yearlong project using Flutter, Express.js, and MongoDB

### RMA Programme

- Developed an inhouse programme for General OA Sdn Bhd to keep track of their sales and services using WinForms, C# and MongoDB

### TryAngle

- Developed a hyper-casual game which is out on Google Play Store and Apple App Store using Unity

## SKILLS

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**Languages:** English, Mandarin, Malay (Working proficiency)

**Programming Languages:** JavaScript, Typescript, Python, PHP, C#, Java, C, HTML, CSS

**Backend Frameworks:** Express, Node.js, Django, DjangoRestFramework, ASP.NET Core

**Frontend Frameworks:** React, Next.js, Vue.js, WinForms

**Databases:** MongoDB, Oracle SQL, PostgreSQL, MySQL, Cassandra, Neo4j

**Others:** Git, SVN, Unity, Heroku, Netlify, PyTorch, Lime