



ALFRED KANG JING RUI

Software Engineer, Developer

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alfredkang.com

alfredkangjr@gmail.com

ABOUT ME

An 20-year-old Immersive Media student at Ngee Ann Polytechnic who blends technology with creativity to build meaningful digital experiences. Detail-oriented in both development and design. Actively involved in projects spanning web development, with an interest in using technology to solve real-world problems.

WORK EXPERIENCE

2025-
2026

SHENZHEN YOUJIA INNOV TECH (MINIYE)

Full Stack Development Intern

Contributed to the development and testing of advanced driver-assistance systems (ADAS) and intelligent vehicle technologies

- Worked on a Unreal Engine 5-based simulation engine for testing environments
- Trained LLMs to generate automated test scenarios and scripts to improve testing efficiency

2023-
2025

NULLSPACE ROBOTICS

Part-Time Trainer

Trained in teaching robotics and managing teams, with a strong ability to simplify complex concepts, foster collaboration, and mentor individuals

- Helped out in hosting team-bonding events
- Robotics Instructor for Youth and Children

2022-
2023

TINKERTANKER

Education Technology Intern

Developed and delivered tech-focused curricula for youth, schools and professionals.

- Revamped Figma Curriculum for schools
- Taught Unity Curriculum to Schools
- Taught Microbits and Scratch to childcare

EDUCATION

NGEE ANN POLYTECHNIC

Diploma in Immersive Media

2023 - 2026

- Minor in Applied Psychology (ongoing)

SCHOOL OF SCIENCE AND TECHNOLOGY, SINGAPORE

GCE O Levels, Computing+

2019-2021

TECHNICAL SKILLS

- **Full-Stack Web Development** (React, Next.js, Firebase)
- **Databases** (Firebase, Supabase)
- **Programming** (Python, C#, Javascript)
- **Design** (Photoshop, Illustrator, Figma)
- **Game Development** (Unity)
- **3D Artist** (Maya, Substance Painter)
- **Video/Audio Production** (Final Cut Pro, Protools, Audition)

SOFT SKILLS

- Leadership
- Communications
- Project Management

LANGUAGE

- English
- Mandarin



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CO-CURRICULAR ACTIVITIES

AMPHIBI STUDIOS - PRESIDENT

Game Development Studio

- Planned and facilitated workshops on topics such as Unity and 3D Modelling with Maya
- Oversee Planning, Logistics, Secretary, and Publicity teams for smooth CCA operations.

OVERFLOW - TECHNOLOGY LEAD

Technology and Programming Special Interest Group

- Led and facilitated tech focused workshops for student members
- Facilitated key events such as NP SST IDP x Overflow and a Community Service Initiative focused on elderly tech education

ICT SOCIETY - HEAD OF EVENTS

NP ICT Student Body Society

- Organised and facilitated events for NP ICT, such as the Freshmen Orientation Program, REDCamp, and more
- Managed volunteers, logistics, venue, and teams for smooth event execution.
- Participated in Community Service events such as Silver Click at ASPN Tanglin School

ORION - HEAD OF TECHNOLOGY

NP ICT Publicity and Outreach Special Interest Group

- Provided technology support during and before outreach events
- Planned and facilitated outreach events aimed to promote NP ICT, such as Kebun Bahru Family Day, iCTXplore, NP ICT Open House and collaborations with Singapore Digital Offices

CERTIFICATIONS

Unity Certified Associate: Game Developer

Unity, January 2025

REFEREE

MR MALCOLM YAM

Course Chair (IM) and Senior Manager, School of InfoComm Technology, Ngee Ann Polytechnic

- Email Address:** malcolm_yam@np.edu.sg
- Contact Number:** 64607961

MS CHING YUN LEE

Senior Manager, School of InfoComm Technology, Ngee Ann Polytechnic

- Email Address:** lee_ching_yun@np.edu.sg
- Contact Number:** 64608228

ACHIEVEMENTS

- Director's List for Excellent Academic Performance Level 1.1, 2.1, 2.2, 3.1**
 - Ngee Ann Polytechnic
- Lien Ying Chow Scholarship**
 - Ngee Ann Polytechnic
- LHL Digital Media Smart Nation Finals**
- Edusave Skills Award 2025**
 - Ministry of Education
- Edusave Academic Achievement 2024/2025**
 - Ministry of Education
- Perse Coding Team Challenge Distinction**
- SYF Distinction Guitar Ensemble**