ALFRED KANG JING RUI

Software Engineer, UI/UX Designer

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ABOUT ME

An 18-year-old Immersive Media student at Ngee Ann Polytechnic, blending technology and creativity. Detail-oriented in development and design, with a focus on UX, game development, and interactive media. Photography serves as a creative outlet in my free time, capturing moments that inspire new ideas.

WORK EXPERIENCE

2023- NOW

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

CERTIFICATIONS

Unity Certified Associate: Game Developer
Unity, January 2025

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

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

NPICT Student Body Society

- Organised and facilitated events for NPICT, 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

NPICT Publicity and Outreach Special Interest Group

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

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 AY23/24 for Excellent Academic Performance Level 1.1
  - Ngee Ann Polytechnic (2023/2024)
- Director's List AY24/25 for Excellent Academic Performance Level 2.1
  - Ngee Ann Polytechnic (2023/2024)
- Perse Coding Team Challenge Distinction
- SYF Distinction Guitar Ensemble