

ONG YI XUAN

ASPIRING DEVELOPER

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ABOUT ME

An independent and self-motivated software engineering student with a passion for web development. Adaptable and always eager to learn, I strive to bring my best to any team with my strong technical and interpersonal skills.

PROFESSIONAL SKILLS

Detail-Oriented Team Player
Thrives Under Pressure Problem Solving

TECHNICAL SKILLS

Agile Methodology Python, JavaScript, C etc.
SQL and NoSQL Information Security

EDUCATION

BEng (Hons) Information & Communications Technology (Software Engineering) 2021 – Expected 2025

Singapore Institute of Technology – CGPA: 3.64

Diploma in Cybersecurity & Digital Forensics 2018 – 2021

Temasek Polytechnic – CGPA: 3.65

- Top 25% of Diploma Cohort (AY2018/2019)
 - Vice-President and Secretary of TP Young Writers (AY2019–AY2021)
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WORK EXPERIENCE

Intern – Optical Character Recognition (OCR) Systems Team Sept 2020 – Feb 2021

AiDA Technologies

- Explored and compared various Python libraries to achieve optimal OCR results
 - Developed scripts to extract data from foreign language documents with 90% accuracy in results
 - Researched and tested security improvements for current operations, commended by team lead for depth of research, well-planned design, and thorough implementation guide
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PROJECTS

Endoscope Tracking App for Tan Tock Seng Hospital **Keywords:** Kotlin, Android, Mobile App

Developed a mobile app with barcode scanning for endoscopes tracking, NFC authentication with nurses' staff passes, and an automated scheduling system that determines the appropriate washing schedule for each endoscope based on its specific frequency requirements

2D Game using OOP **Keywords:** Java, OOP, Game Development

Developed a Java-based 2D local co-op game utilizing Object-Oriented Programming (OOP) principles for a two-player gameplay experience

LinkedIn Web Crawler **Keywords:** Python, Flask, RESTful API

Created a Python script to crawl LinkedIn job descriptions in various countries and analyzed competency preferences across different countries and position levels

CERTIFICATIONS

Professional Scrum Master 1 (PSM1)

Scrum.org, May 2023 (No Expiry)

RPA Developer Foundation

UiPath, June 2020 (No Expiry)

Introduction to IoT

Cisco Networking Academy, May 2019 (No Expiry)