

# GABRIEL YONG WAI LOONG

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SINGAPORE, SINGAPORE

## EXECUTIVE SUMMARY

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Diploma in Information Technology graduate from Nanyang Polytechnic with hands-on experience in full-stack web development, data analytics, and UI/UX design. Proficient in developing complete web applications from concept to deployment using modern frameworks such as React.js and Node.js. Equipped with a solid foundation in both front-end and back-end technologies, along with practical experience in data visualization tools and interface design. Adept at working in both team-based and independent settings, with a focus on building functional, user-centric digital solutions.

## RELEVANT SKILLS

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- Proficient in HTML, CSS, JavaScript, Python, Node.js, and React.js
- Experience with data analysis and visualization using Tableau
- Skilled in UI/UX design using Figma, including wireframing and prototyping
- Understanding of information security principles and basic network technologies
- Strong analytical and communication skills with project collaboration experience using Microsoft Azure DevOps and Miro

## TECHNICAL PROJECTS

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Apr 2025 – Present

### Full-stack Development Project

- Developed a full-stack web application using Node.js and React.js
- Responsible for user profile management, creating a user database in MongoDB, and designed the UI of the web application
- Collaborated with team members to deploy a functional web application for SCCCI to automate the resume application process

Oct 2024 – Feb 2025

### App Development Project

- Developed web application using HTML and Python Flask framework
- Responsible for user profile management system design and implementation
- Created a user interface page with the capability to delete and edit changes
- Collaborated with team members to deliver functional app prototype

Apr 2024 – Jul 2024

### Web Development Project

- Developed a web application using HTML, CSS, and JavaScript
- Created a web application to showcase historical revolutions, with a quiz
- Deployed and presented final web application

## ACADEMIC PROJECTS

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Apr 2025 – Jul 2025

### **Software Development Project**

- Implementing modern development practices including user stories, sprints, and Azure deployment
- Applying software engineering principles and project management methodologies

Apr 2024 – Jul 2024

### **Data Visualization Project**

- In a case study, I analysed customer profiles and bank performance for effectiveness and ROI
- Created a dashboard to display recommendations and insights
- Presented findings using data visualization tools, such as Tableau

## EDUCATION

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Apr 2024 - Present

### **Diploma in Information Technology**

Nanyang Polytechnic, Singapore

Relevant Coursework: Web Development (HTML, CSS, JavaScript), Data Analysis & Visualization, UI/UX Design, Information Security, Network Technology, Software Engineering, Full-Stack Development

## AWARDS AND ACHIEVEMENTS

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- Demonstrated leadership as Vice-Chairman and NPCC Sergeant, contributing to team coordination and discipline during secondary school
- Earned digital credentials in Cybersecurity Fundamentals and Web Development Fundamentals through IBM SkillsBuild
- Received the Edusave Good Progress Award in 2017, 2018, and 2020 for consistent academic improvement
- Led a 10-member Values-In-Action (VIA) team to organise a school-wide food donation drive in partnership with Food from the Heart

## REFERENCES

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### **1. Dr Vincent Mack**

Lecturer (LTR), School of Information Technology  
Nanyang Polytechnic  
Phone: 6550 1641  
Relationship: Academic Lecturer / Project Mentor

### **2. Mr Law Guo Rui**

Lecturer (LTR), School of Information Technology  
Nanyang Polytechnic  
Phone: 6550 1618  
Email: [law\\_guo\\_rui@nyp.edu.sg](mailto:law_guo_rui@nyp.edu.sg)  
Relationship: Academic Lecturer