

# Toh Yu Hui

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## CAREER OBJECTIVES / EXECUTIVE SUMMARY

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Resourceful polytechnic graduate with a 4.0 GPA, bringing strong problem-solving abilities and a collaborative mindset to software development. Proficient in programming and front-end technologies, with demonstrated success delivering solutions through effective teamwork. Seeking to contribute technical expertise and innovative thinking towards a Junior Software Developer Role.

## EDUCATION

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### Diploma in Information Technology

Nanyang Polytechnic | Singapore | 2025 - 2028

- Specialised in Modern Application
- Year of Graduation: 2028
- 4.0 / 4.0 GPA

### GCE O-Levels

Orchid Park Secondary School | Singapore | 2021 – 2024

- Year of Graduation: 2024

## SKILLS SUMMARY

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### Technical Hard Skills:

**Front-end:** HTML | CSS | JavaScript | Bootstrap

**Back-end:** Python | Flask | SQLite3 | AWS Cloud Computing

**Database:** MySQL | Oracle | MongoDB

**AI / Data:** Machine Learning | Deep Learning | Artificial Neural Network | Natural Language Processing | AI Literacy

**Tools:** Three.js | Chart.js | Stripe | Google Scene Viewer | Excel

**Version Control:** Git | GitHub | GitLab

### Soft Skills:

Critical Problem Solving | Intrigue in Learning New Skill | Good Communication Skills | Teamwork | Adaptability

## WORK / PROJECT EXPERIENCE

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### Web Development Project – Interior Design Payment & Product Inventory Management

Nanyang Polytechnic | Singapore | Dec 2025 – Feb 2026

Led full-stack redevelopment of static SME website into dynamic, interactive e-commerce platform. Built user-facing promotional features using Python backend with HTML, CSS, JavaScript, and Bootstrap frontend. Translated UI/UX designs into scalable and responsive web experiences by integrating Three.js for 3D product previews and AR capabilities (Google Scene Viewer) for immersive customer engagement. Implemented Chart.js for admin analytics dashboard. Leading to a 20–30% increase in lead conversion, and 50% reduction in manual qualification time, and lowering website drop-off rate through AI integration and improved UX.

## **UI & UX Design – Golf CCA Webpage**

Nanyang Polytechnic | Singapore | Aug 2025 – Sep 2025

Situation: Tasked to increase the number of students registering and joining our Golf CCA. Additionally to showcase more about our CCA. Led the creation of the front-end development using HTML, CSS, JavaScript, and Bootstrap to create a responsive web application on laptops and mobile devices so that users on different devices are not affected. Together with an AI Chatbot integrated into the website, improve the user experience with ability to interact and query the chatbot. Therefore less misunderstandings whether is it in navigation or eligibility for the CCA. Additionally, connecting forms in the website to the Google Sheets, we are able to collect the responses, completing the whole cycle. Increasing Golf CCA registration by 15 – 20%

## **LiHO – Boba Barista (Part-time)**

Royal T. Group | Singapore | Nov 2024 – March 2025

Learn the value of teamwork and communication skills through countless stress working conditions with my co-workers. Additionally, familiarising the drink ingredients are also important to satisfy the needs of the customer. Moreover, improvising when things do not go as expected. Learn to maintain my composure even when there is overwhelming number of orders. Independence was developed through operating the opening and closing of stores.

## **CERTIFICATIONS & AWARDS**

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*Completed:*

- **AWS Certified Cloud Practitioner** – *Issued by Amazon Web Services (AWS), Sep 2025*
- **AI Literacy & Fluency** – *Issued by Anthrophic, Nov 2025*
- **Web Development Fundamentals** – *Issued by IBM, Jun 2025*
- **User Experience Design Fundamentals** – *Issued by IBM, Jun 2025*
- **Artificial Intelligence Fundamentals** – *Issued by IBM, Sep 2025*
- **Welcome to ServiceNow Micro-certification** – *Issued by ServiceNow, Sep 2025*

*In Progress:*

- **Certificate in Database Design & Administration** – *Expected by Oracle, Mar 2026*
- **AWS Certified AI Practitioner** – *Expected by AWS, April 2026 (In progress)*

*Awards:*

- **Director's List** – *Issued by Nanyang Polytechnic (NYP), Dec 2025*

## **CCA / HOBBIES / INTEREST**

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Joined Nanyang Polytechnic AI Club as a sub-committee. Participating in talks with present company CEOs and Competitions like Capture The Flags. It allows the expansion of social networks increasing my connections and interactions. Additionally, I would also participate in Singapore Youth AI Monthly Meeting to meet people who have founded startups, listening to their journey and experience which inspires me to work towards similar goals. Deeper research regarding AI is done during my spare time, looking for fun and exciting AI programs to develop on GitHub and Instagram. Furthermore, art design tools like Blender 3D, Canva, and Figma is learned as well to improve my front-end designs. Hobbies such as Badminton, Gym is done together with my friends to rejuvenate and ensure a healthy lifestyle.

## **DIGITAL PORTFOLIO**

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Link: [https://blobbytoh.github.io/Toh\\_Yu\\_Hui-Portfolio/](https://blobbytoh.github.io/Toh_Yu_Hui-Portfolio/)