

Shanice Ng Wen Yi

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EDUCATION

National University of Singapore

Aug 2021 – Aug 2024

[Expected graduation]

- Bachelor of Computing in Computer Science (Honours)
- Focus Area: Software Engineering and Artificial Intelligence
- Certificate of Merit recipient in the Software Engineering Focus Area
- Relevant modules: Programming Methodology, Computer Organisation, Software Engineering, Introduction to AI and ML

Ngee Ann Polytechnic

Apr 2018 – Mar 2021

- Diploma in Engineering Science (GPA: 3.95/4.0)
- Relevant modules: Computer Programming (AD), Data Structures & Algorithms (A), Probability & Statistics (A)
- Awarded Lien Ying Chow Scholarship, School of Engineering Merit Award, Director's List, 2nd Most Outstanding Award

TECHNICAL SKILLS

- Programming Languages: Java, Dart, C#, Python, C, C++, JavaScript, C#.NET, HTML5, CSS
- Software Framework: Docker, Flutter, ReactJS, NodeJS, ParseSDK, Bootstrap
- Tools: IoT, GitHub, MongoDB (NoSQL), PostgreSQL (SQL), Firebase, Unity, AdobeXD, Figma

WORK EXPERIENCE

Connect2Me Pte Ltd

May 2023 – Jul 2023

Software Engineer Intern

- Developed a user-friendly Flutter app, integrating IoT devices for streamlined facility booking and operational efficiency
- Spearheaded end-to-end development and deployment of a highly intuitive Windows Form survey app, revolutionizing user experience and streamlining processes, resulting in estimated 50% reduction in manual data entry tasks
- Employed Agile methodologies throughout all projects, improved team productivity by approximately 30% through effective collaboration and iterative development processes

Private Tuition Tutor

Dec 2020 – Aug 2021

- Tutored students in Mathematics, Science, and English, resulting in maintaining an A grade for each subject

PROJECTS

PeerPrep | [GitHub](#)

Aug 2023 – Dec 2023

- Created an innovative technical interview practice web application with ReactJS, Docker, and Nginx for optimal performance
- Incorporated a robust backend using Node.js, MongoDB, and PostgreSQL, integrating RESTful APIs for seamless project functionality and communication

FinBook | [GitHub](#)

Sep 2022 – Nov 2022

- Engineered a Java-based client management desktop application for Financial Advisors, optimized for both Command Line Interface (CLI) and Graphical User Interface (GUI), adhering to rigorous Java coding standards and Git conventions

Alpas | [GitHub](#)

May 2022 – Oct 2022

- Launched a 2D top-down role-playing game (RPG) to help students understand Singapore with Unity in C# language
- Strengthened coding efficiency by adhering to Object-Oriented Programming (OOP) principles and design patterns

Tik Tok Youth Camp 2022 | [GitHub](#)

May 2022 – Sep 2022

- Implemented a hangman game website with JavaScript, HTML and CSS
- Spearheaded project to design landing page with animations by applying JavaScript

Monitoring of Elderly with Mild Cognitive Impairment (MCI) Activities | [GitHub](#)

Apr 2020 – Mar 2021

- Delivered 2 android mobile and wearable applications catering to elderly patients with Android Studio in Java language
- Collaborated with NUH and 40 MCI patients to study correlation between physical activity and cognitive decline
- Managed database with JSON utilizing Firebase and display graphs for easier analysis

Scan & Pay Android Application | [GitHub](#)

Oct 2019 – Apr 2020

- Engineered an Android mobile app using Android Studio and Java for seamless retail transactions via QR code scanning, backed by a JSON-based database on Firebase

CO-CURRICULAR ACTIVITIES

BP – NP Mentoring Club

Jan 2020 – Feb 2020

- Mentored underprivileged primary school students in Marsiling, delivering essential education and guidance
- Leveraged strong communication skills to engage and educate young learners from diverse backgrounds

Yoga Club

Dec 2018 – Jan 2020

- Led a dynamic team as the Events and Publicity Head, showcasing adept organizational and communication skills
- Fostered team collaboration, enhancing overall effectiveness in planning, organizing, executing and promoting events

ADDITIONAL INFORMATION

- **Languages:** English (Written and Spoken), Mandarin (Written and Spoken)