

TAN YONG KUAN

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EDUCATION

Nanyang Technological University

Singapore

Bachelor of Engineering (Computer Science) with Distinction

Aug 2016 – Dec 2019

- Cumulative GPA: 4.14/5.0; IMDA Industry Preparation for Pre-graduates (iPREP) Program
- Double specializations in Data Science & Analytics and Artificial Intelligence
- NTU School of Computer Engineering Club Events Associate

Nanyang Polytechnic

Singapore

Diploma with Merit in Information Technology

Apr 2011 – Apr 2014

- Cumulative GPA: 3.82/4.0; Specialized in Geospatial and Mobile Innovation

WORK EXPERIENCE

SecureAge Technology

Singapore

Software Engineer

Dec 2020 – Current

- Implement portal features using VueJS and Quasar for Catchpulse and License Server while working closely with a scrum team
- Implement and maintained reusable components, common utility functions and interfaces in the component library, ensuring code reusability and consistency across all projects
- Introduce Typescript support in both the component library and projects, allowing developers' codes to be readable and maintainable with less bugs
- Revamp existing secure socket programming software with p12 certification support and thread handling upon reconnection
- Implement certificate replication over LDAP and proxy server as a window service

Defence Science and Technology Agency (DSTA)

Singapore

Engineer

Jan 2020 – Dec 2020

- Engage in enterprise projects through vendor management and delivering business and technical requirements
- Provide technical expertise through design thinking to improve user's experience on their daily operation needs

PROJECTS

Pattern Analysis and Recommendation for Math Practice

Singapore

Final Year Project

Aug 2018 – May 2019

- Design and develop interactive and mobile friendly Django website for students to enhance their learning in Mathematics. At the same time, analyse their performance against students from the same level
- Researched on different visualizations models and tools to ease students in understanding and analysing their performance

SKILLS

Programming Languages:

Typescript, HTML, CSS, SCSS, Java

Development/Frameworks:

Vue, Quasar, React, GatsbyJS, NextJS, Material UI, styled-components, tailwindcss

Applications

Visual Studio Code, Github, Prettier, ESLint

Operating Systems:

Windows

CERTIFICATION

NICF – Project Management for IT - Sep 2018