

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

- 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
- Implement a website in VueJS that secures file passwords

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

CrimsonLogic Pte Ltd

Singapore

Software Engineer Intern

Aug 2019 – Dec 2019

- Design and develop automation testing scripts in Selenium and Java that run on existing websites across multiple browsers and platforms as part of regression testing
- Set up Team Foundation Server on existing projects to provide source code management, project management and automated builds

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:

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

Applications

Visual Studio Code, Github, Prettier, ESLint

Operating Systems:

Windows, Ubuntu

CERTIFICATION

NICF – Project Management for IT - Sep 2018

COMPETITION

1st Runner Up for GIC x TechFest Hackathon – Feb 2019