TIN KAH ONG ISAAC

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Computer Science (Hons)

Aug 2019 – May 2023 (expected)

Cum. GPA: 4.14/5.00 (Second Class Honours, Upper Division)

MERIDIAN JUNIOR COLLEGE

Jan 2015 – Dec 2016

Five distinctions in GCE A Levels with a score of 87.5/90 (Mathematics, Physics, Chemistry, Economics, Project Work)

SKILLS

EXPERIENCED

Python, Java, JavaScript, React

FAMILIAR

C, SQL, HTML, CSS

EXTERNAL ACTIVITIES

College of Alice & Peter Tan (CAPT)

ORIENTATION GROUP LEADER

Collaborated in the planning and execution of Orientation Camp 2020 for CAPT, a college event to welcome and integrate over 200 new residents into their new residence, boosting college identity.

CLIMBING INTEREST GROUP HEAD

Cooperated with Sports Director of CAPT in spearheading the officialization of climbing as an interest group in CAPT which consists of over 100 members, creating another avenue for residents to pursue their interests.

RELEVANT COURSEWORK

Software Engineering

Data Structures and Algorithms

Programming Methodology

Computer Organization

Computer Networks

Database Systems

EXPERIENCES

TAMPINES TOWN COUNCIL | TEMPORARY ADMIN STAFF

Dec 2018 – APR 2019

- Coordinated communication between town residents and property officers and property managers, ensuring smooth and efficient flow of information between the two parties

SINGAPORE ARMED FORCES | ARMORED-VEHICLE COMMANDER

Dec 2017 – Nov 2018

- Lead a section of 10 men through various training exercises during National Service
- Was responsible for the maintenance of armored vehicles and over 100 pieces of equipment, ensuring reliability of equipment during training exercises
- Commandeered armored vehicles during battle exercises, ensuring accurate communication between sections and commanders

PROJECTS

NUS ORBITAL SUMMER PROJECT

- Employed 'MERN' (MongoDB, ExpressJS, ReactJS, NodeJS) stack to develop a web application that allowed students to search, select, plan and rank modules and lessons with increased ease and efficiency
- Implemented REST APIs as well as google maps API for location planning of web application
- Apollo 11 level of achievement

SOFTWARE ENGINEERING MODULE TEAM PROJECT

- Led a team to make a simple Human Resource CLI program in Java, allowing user to organize two different types of person databases – staff and applicant- and add, delete and edit various fields of each type of person
- Performed extensive testing by writing unit and integration tests, achieving over 60% code coverage
- Utilized git for code management and version control in a codebase with over 20,000 lines of code
- Wrote technical documentation such as user guides and developer guides to assist future users and developers
- Used FXML, JavaFX and scene builder to design GUI

SOFTWARE ENGINEERING MODULE INDIVIDUAL PROJECT

- Developed a CLI program in Java that allowed user to add and delete different kinds of tasks into a list and saves list for users
- Wrote technical documentation such as user guides and developer guides to assist new users and developers
- Made use of FXML, JavaFX and scene builder to design GUI

NUS HACK&ROLL

- Used ReactJS to create a web-application that searched for nearby food places as well as locations of people meeting to enhance speed of deciding where to eat among groups of people (front-end only)