# ANG JUN KANG

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## EDUCATION

**Bachelor of Computing in Computer Science**                               **Aug 2021 - Apr 2024**
National University of Singapore
- Honours (Distinction/Second Upper)
- Recipient of the NUS-Merit Scholarship, a merit-based scholarship awarded for four years

**Diploma in Information Technology with Merit**                               **Apr 2016 - Apr 2019**
Nanyang Polytechnic                                                                                **GPA:** 4.0
- Specialised in Information Security & Forensics in Year 3
- Recipient of the CSIT-NYP Scholarship, a merit-based scholarship awarded for two years
- Recipient of the Accenture Gold Medal, an award awarded to the top academic achiever from Diploma in Information Technology

## WORK EXPERIENCE

**Cybersecurity Engineer**                                                               **Jul 2024 - Present**
**Defence Science and Technology Agency**                                                    **Singapore**
- Developed proficiency in analyzing Portable Executable (PE) file structures to understand Windows binaries and identify potential vulnerabilities.
- Studied x86 assembly language to deepen knowledge of low-level programming concepts and enhance reverse engineering capabilities.
- Investigated various exploitation techniques to gain insights into software vulnerabilities and mitigations.

**Software Engineer Intern**                                                           **May 2023 - Jul 2023**
**ST Engineering**                                                                             **Singapore**
- Developed multiple enterprise software case management applications using the low-code platform, Appian
- Gained exposure to Amazon Web Services (AWS) by building instances of Amazon Elastic Compute Cloud (EC2) and working with Amazon Machine Images (AMIs).
- implemented automated frontend UI software testing using Cucumber to reduce the need for manual testing.
- Executed CI/CD using the Jenkins pipeline to run automated testing upon deployment.
- Single-handedly migrated the backend database of an enterprise software from MSSQL to MariaDB.

**Software Engineer Intern**                                                           **May 2018 - Jul 2018**
**Centre for Strategic Infocomm Technologies**                                               **Singapore**
- Improved the development of existing web application by initiating new application and innovative use for collaboration
- Designed and built 3 new components and enhance existing components for collaboration using Socket.IO
- Created documentation for the 3 collaboration features and tested these features in the web application

**Software Engineer Intern**                                                           **Mar 2018 - May 2018**
**Cyber Security Researchers of Waikato**                                             **Waikato, New Zealand**
- Developed a Windows Registry Filter Driver in C to allow forensics investigators and users to understand events taking place in the Windows Registry
- Filtered a total of 13 important types of registry operations with 10 key information from each operation
- Formatted the raw data captured with the Windows Registry Filter Driver into a readable format so it can be stored and read without use of external tools Initiated a logging function to log important operations by sending these information over to Redis using RESP and writing it into an external file to store using a Python Script

## PROJECTS

**PeerPrep** ⬀                                                                         **Aug 2023 - Nov 2023**
PeerPrep is an innovative platform designed to enhance your learning journey through collaborative preparation. Built using a tech stack that includes **Node.js**, **Express**, **React**, **MongoDB**, **MySQL**, **Docker**, and deployed on **Google Cloud Platform**.

**PlanEase** ⬀                                                                         **Jan 2023 - Apr 2023**
PlanEase is a centralized platform for managing work, contacts, and events, streamlining stakeholder searches and detail tracking. Developed as a desktop application using **JavaFX** for the GUI, along with **Jackson** for data handling and **JUnit5** for testing.

**Orbital Skylab V2** ⬀                                                                **Mar 2022 - Jul 2022**
Orbital Skylab V2 is a project aimed at revamping the existing Orbital Skylab platform to enhance user experience for students, advisers, mentors, and administrators. Utilized the **PERN** stack **(PostgreSQL, Express, React, Node.js)** and deploying on **Heroku** for online hosting.

## SKILLS

**Languages:** English (Native), Chinese (Conversational)

**Programming Languages:** C#, C++, Java, JavaScript, Kotlin, Python, Swift

**Tools:** AWS (Amazon Web Services), Azure DevOps, Docker, Git, Jenkins, JIRA, Postman

**Frameworks/Technologies:** Angular, ASP.NET, Django, Node.js, React