# MUN YIT HUNG, NIGEL

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## EDUCATION

**SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN (SUTD)**        **Sep 2020–Present**
- Computer Science undergraduate, SUTD Undergraduate Scholarship

**St. Andrew's Junior College**        **Jan 2016- Nov 2017**
- GCE A-Levels
- Rank points: 81.25

## RELEVANT WORK EXPERIENCES

**Frontend Developer Intern**
**Shopee Singapore Pte Ltd**        **Aug 2022 – Dec 2022**
- Used ReactJS, FabricJS and Ant Design to build informational websites, including Shopee's internal ticketing system.
- Worked with React states, hooks and component lifecycles to manage and update application data. Implemented Redux for state management for a more efficient and maintainable code.
- Migrated large amounts of data from Google Sheets to MySQL and Redis, utilizing Node.js and ExpressJS as the backend, resulting in 5x improvement in website loading speed.
- Implemented CRUD operations on the ticketing system in the backend, and linking it to the frontend.
- Gained strong web development principles such as HTTP requests and RESTful API design

**Software Developer Student Researcher**
**Singapore University of Technology and Design**        **Aug 2022 - Present**
- Developed a data collection webpage using Angular and deployed on Python Flask.
- Utilized Data Visualisation tools using Angular Materials to track students' progress for their school projects.
- Made use of RESTful API design to implement CRUD operations on user data.

**Software Developer Intern**
**Seed Ventures Management Pte Ltd**        **Dec 2021 – May 2022**
- Used JavaScript and Canvas API to generate random NFT artwork in the thousands.
- Used ReactJS to build informational websites for clients.
- Smart Contract Programming in Solidity to deploy on Ethereum blockchain.
- Clients include Academy Award winner Nickson Fong and founder of LIV3LY Jeffrey Foo.

**Software Engineer Intern**
**Federal Packaging Industries Pte Ltd**        **May 2021 – Sep 2021**
- Managed software application installation, configuration, troubleshooting and upgrades.
- Prepared documentation such as user manuals and operation instructions to ensure effective use of systems.
- Supported the IT and Engineering manager, configured and maintained Programmable Logic Controllers and performed back-ups.

- Attended company-related courses in Mitsubishi, such as Ladder Diagram programming for IQ-R PLC, GOT2000 Human Machine Interface and SCADA.

## RELEVANT PROJECTS

**Personal ePortfolio** (website) | (GitHub)
- Built a functional and responsive portfolio website using ReactJS for Mobile, Desktop and tablet
- Used Styled Components and CSS and other styling methods such as Parallax Scrolling
- Implemented WhatsApp Business API, Telegram API and EmailJS for direct and seamless communication.

**J Team Universe NFT website** (website)
- Worked on a project by Jack Neo, to build an informative NFT website using ReactJS and deployed on Firebase.
- The page was designed to display information about his various famous movies, "Ah Boys to Men" and "Ah Girls Go Army" NFT, including images and metadata.
- Made use of many design libraries such as Ant Design, Bootstrap, and Parallax Scrolling to produce a visually appealing website.

**Automated form-filler and Analytics Dashboard** (GitHub)
- Built a functional, responsive web dashboard to analyze and visualize input text and images
- Implemented sign-up / log-in feature for authentication and authorization using JWT.
- Used Google VertexAI and VisionAI for text and image sentiment analysis and Java Hawking Algorithm for date parsing.
- Frontend is developed in Angular, and backend is developed in Ruby on Rails. Used PostgreSQL as a database. Deployed on Google Cloud Platform.
- Performed system testing using Cucumber and Cypress, and fuzzy testing using Artillery and Postman.

**Google Development Hackfest 2022** (GitHub)
- Made a Java App in Android Studio, aiming to solve one of the 17 United Nations Sustainable Development Goals.
- Built a functional and responsive Android app that employs a Tinder-style card-view UI for job searching, allowing better communication between the hirer and job searcher.
- Deployed Firebase as a backend hosting service.

**Disney + Website clone** (website) | (GitHub)
- Built a functional, responsive Disney+ website using ReactJS.
- Utilized Redux as data layer for data access.
- Implemented login system to allow for CRUD operations on user list and validation in Firebase, and deployed Firebase as a backend hosting service.

## SKILLS SET

**Programming Skills**
- Python • HTML / CSS / JavaScript / TypeScript • Java • ReactJS • MySQL
- Ruby on Rails • Angular • Arduino • MongoDB • Redis