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Profile

I am currently a first-year student at Singapore University of Technology and Design (SUTD) intending to major in Computer Science, seeking an internship for the period of **end-April/early-May 2023 to early-Sept 2023.**

Through interning, I hope to gain new knowledge and experiences in Software Engineering and Cybersecurity roles. I am passionate about using my skills in improving the lives of others. I enjoy challenges and believe that obstacles spur growth. I am always keen on improving and learning from like-minded peers and collaborate with divergent thinkers, and open to opportunities that come my way.

In the past year, having no relevant programming background, I self-learnt the **MERN stack** online, and applied the skills in deploying a website for a logistics company as a freelance Web Designer and in personal projects such as creating a To-Do List app. I have experiences in other **programming languages such as C and Python, and using the Unix Command Line and Git**. I tried challenges on TryHackMe and learnt basic Cybersecurity tools like NMap. Personal projects can be found on my Github and LinkedIn pages.

Education

Sept 2022 - Present	Singapore University of Technology and Design (SUTD) Freshmore, Grade-Free
Aug 2020 - Apr 2022	National University of Singapore (NUS) BA (Hons) Architecture Year 1 & 2, GPA: 4.6
Jan 2016 - Dec 2017	Victoria Junior College, A-Levels
Jan 2014 - Dec 2015	Victoria School, Year 3 - 4, Integrated Programme (IP)
Jan 2012 - Dec 2013	Victoria School, Year 1 - 2, O-Levels Programme

Employment

Feb 2022 - Jul 2022	Freelance Web Development for Joo Hee Transport
Nov 2021 - Dec 2021	UX Bootcamp Teaching Assistant at Vertical Institute
May 2021 - Dec 2021	Publications Designer for NUS Architecture's ArchiVal '21
Jun 2021 - Aug 2021	Architectural Designer for Ubin Community Project

Experiences

3DC WebDev	Collaborating on SUTD 3DC's website development's UX/UI and programming.
Platformer Game	Assisting a friend on a 2D platformer, contributing in level design and resolving code issues using C++
SUTD RoboClash	Collaborating in SOAR's robotics competition, 3D CADing and coding the Arduino
CSIT Hackerthon	The InfoSecurity Challenge 2022 Capture-The-Flag
TryHackMe	Intro to Offensive Security, Web Application Security & Intro to Digital Forensics, NMap
SUTD 10.014	Collaborated on a rhythm game using standard Python libraries, handled OOP and debugging
AppBrewery	Full Web Development: MongoDB, Express, React, Node (MERN Stack)
AppBrewery	100 Days of Code: Python (OOP, Data Structures, Libraries)
NUS School of Computing	C programming from CS1010: Intro to Programming Methodology (Functions, Data Structures, Testing/Debugging, Pointers, Arrays, Search & Sort, Recursion, File Processing, Unix Command Line)
NUS NM2207	Web-game created using vanilla JavaScript and RaphaelJS
Vertical Institute	Interactive UX\UI App for Individual Capstone Prototype for Bootcamp Oct 2021

Skills

Web Development using MERN stack and HTML, CSS
Programming in C, Python, JavaScript and related libraries
Git
Unix Command Line
Basic Cybersecurity Tools such as NMAP

User Experience/Interface prototyping and design in Figma and Adobe Suite softwares
3D Modelling and CADing in Fusion 360, AutoCAD, Rhino
Generative design using Grasshopper
Double Diamond and reiterative design processes
Digital Animation and Video Editing

W3C and A11y Accessibility Conventions
Some experience assembling electrical hardware and using Arduino
Adaptive learning and applying of programming languages and skills to meet the needs of projects

Certificates

The Complete 2022 Web Development (MERN) Bootcamp by AppBrewery
User Experience Design Bootcamp by Vertical Institute

Coursera & EdX
IBM Introduction to Cybersecurity Tools & Cyber Attacks
Google: UX Research and Test Early Concepts
Google: Build Wireframes and Low-Fidelity Prototypes
Google: Foundation of User Experience Design
Google: UX Process, Empathize, Define, Ideate
MichiganX: Python Data Structures
MichiganX: Python For Everybody
University of Michigan: Python Basics
University of Michigan: Interactivity With Javascript
University of Michigan: Advanced Styling With Responsive Design
University of Michigan: Introduction to CSS3
University of Michigan: Introduction to HTML5

Advanced Certificate In Network Operations Management, Monitoring & Maintenance by National Infocomm Competency Framework

Personal Interests

In my free time, I like to take up new skills and challenge myself in coding through personal projects such as creating a blogsite database. I also contribute to my friend's C++ platformer game by debugging and resolving issues, and level design. Even as I am unfamiliar with C++, I am keen to learn and apply new knowledge in creating the game.

In school, I participate in RoboClash, a team robotics competition where I tinker in unfamiliar electrical and hardware components, Swift and Clojure workshops to learn new programming languages and interact with like-minded peers. I am also in SUTD's Google-affiliated student developer club 3DC, collaborating on a web development project as the UX/UI designer and programmer. I am also in the school's Ultimate Frisbee club, a challenging team sport that pushes my physical abilities.

Beyond school, I constantly seek self-improvement through sports like gymming, kayaking.