**NICHOLE BUN**

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**education**

**Singapore Management University (SMU)**

*Bachelor of Science (Computing & Law)***Aug 2023 - Aug 2027**

* GPA: 3.53/4.00
* Computing Mods: Introduction to AI (Current), Statistical Thinking for Data Science (Current), Data Management, Web Application Development 1, Interaction Design Prototyping, Business Process Analysis & Solutioning
* Law Mods: Contract Law 1 & 2, Criminal Law, Law of Torts, Intellectual Property Law (Current)

**Hwa Chong Institution (College Section)**

*H2 Physics, Chemistry, Mathematics, Economics***Jan 2021 - Dec 2022**

**experience**

**Champion, Youth x Hack 2024: Digital Defence**

*Achieved 1st place in the digital defence category***Aug 2024 - Aug 2024**

* Annual hackathon run by Cyber Youth Singapore
* Collaborated with NEXUS under MINDEF's Total Defence (TD) Sandbox initiative
* Represented 5seconds and TD Sandbox as an exhibitor at ASME AI Festival Asia 2025
* Was interviewed by The New Paper for the article "Youth take up the reins in tackling national challenges"

**Research Assistant (AI, NLP, Law)**

*Research Assistant (AI, NLP, Law)***Dec 2024 - Present**

* Assisting with structured literature review on the use of Natural Language Processing in the legal domain

**President, SMU Esports Club**

*President, SMU Esports Club***Jan 2025 - Present**

**Rajah & Tann**

*Legal Intern - Technology, Media and Telecommunications***Jul 2024 - Jul 2024**

* Assisted in conducting research regarding data protection, cross-border telecommunication laws, and more. Researched and documented a suggested workflow for using generative AI to assist in generating content and presentation materials. Assisted in proofreading contracts and other documents

**Lee & Lee**

*Legal Intern***May 2024 - May 2024**

* Gained invaluable experience in the real estate department, had the opportunity to shadow mentor in client meetings, gained insights into client interactions and the complexities of real estate transactions.

**Quahe Woo & Palmer LLC**

*Legal Intern***Apr 2023 - May 2023**

* Assisted in conducting background research for cases. Attended court sessions and mediations, observing courtroom procedures and gaining exposure to legal proceedings. Participated in client meetings.

**ST Engineering (Aerospace)**

*Intern / Graphic Designer / Artist***Mar 2023 - Apr 2023**

* Designed 7 safety mascots, decals, and posters for ST Engineering's new safety campaign. Shadowed aerospace engineers, observing aircraft maintenance, repair and inspection procedures. Assisted with administrative tasks, including organizing engineering documentation.

**NUS College of Design & Engineering, Standcon 2022 (N0H4TS)**

*Freelance Artist, Video Editor and Animator***Apr 2022 - May 2022**

* Digitally painted artwork for the grand prize, official website, and promotional material. Created the trophy video for the event organizers, using Adobe Premiere Pro and Adobe After Effects for editing and animations. Made a 200 frame hand-drawn animation in Procreate for promotional use and the grand prize.

**skills**

Legal: Contract Law, Criminal Law, Law of Torts, Legal Research & Analysis

Programming / Languages: Python, PHP, SQL, HTML, CSS, (basic) JS

Software: Microsoft Office Suite, Procreate (iOS), Adobe Premiere Pro, Adobe After Effects, Blender

**projects**

**Voice Model Training and Implementation Using RVC**

*Created a custom voice mod for BG3 using RVC***Feb 2025 - Feb 2025**

* Utilised a Retrieval-based Voice Conversion (RVC) implementation from GitHub to train and deploy a custom voice model on approximately 20 minutes of audio data. Extracted voice lines from BG3 for use in voice-to-voice conversion.
* Utilised python, RVC framework, audio processing tools (Audacity, ffmpeg, wwise), and GPU-accelerated training. I had to use Google Colab as I do not have a Nvidia GPU.
* Performed voice-to-voice conversion on Shadowheart’s dialogue, compressed and packaged the converted voice files into a functional mod for BG3, ensuring compatibility with the game’s modding framework.

**Interaction Design and Prototyping - Project**

*UI/UX Design, Figma-based Interactive Prototype***Aug 2024 - Nov 2024**

* Developed an interactive Figma prototype, utilizing advanced Figma features, including smart animate for custom transitions, variables for dynamic functionality, and reusable components for seamless navigation. Designed original illustrations and integrated external assets to create a polished, user-friendly interface. Through this project, I was able to deepen my understanding of UI/UX design and prototyping. (you can test this prototype on my website!)

**SMU .Hack Enrichment Application Program (HEAP)**

*Frontend Development, React-based Web Application***May 2024 - Jul 2024**

* Collaborated with a teammate on frontend development for a React-based web application integrated with a Telegram bot. We worked together on building a responsive and user-friendly interface using HTML, CSS, and JavaScript.

**interests**

In my free time, I enjoy gaming, reading, and drawing. I've learnt how to crochet, knit and embroider, creating handmade gifts for my loved ones. After my A-levels, I also built a PC in an attempt to save money (and it hasn't broken yet!) I find joy in creating and love taking on the challenge of picking up new skills. I've recently learnt the basics of 3D modelling in blender and hope to make even more in this new medium.

**profile**

As a second-year student pursuing a degree in Computing and Law, I am excited to embark on a journey of discovery and growth. With a keen interest in both technology and legal studies, I am eager to explore how these disciplines intersect and complement each other. Outside of academics, I find joy in artistic expression and enjoy creating new things, be it art or otherwise. I am enthusiastic about learning and honing my skills, and I look forward to gaining hands-on experience and contributing positively to future endeavors

**external events**

* Youth x Hack 2024 - Champion, Digital Defence Category
* Project Backyard II (2024) - Community service
* Cyberthon 2022 - CTF, Participation
* Standcon 2022 - CTF, Participation
* HTX Investigators' Challenge 2021 - CTF, Participation
* PREPMUN 2019 - Delegate of South Korea, UNODC

**CONTACT**

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