

CHAM LI HUI

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EDUCATION

National University of Singapore Jun 2021 - Present
Bachelor of Science in Business Analytics

- Year 2, NUS School of Computing
- Major in Business Analytics, Minor in Interactive Media Development, Minor in Statistics
- NUS ASEAN Undergraduate Scholarship
- CAP (CGPA) : 4.21/5.0

Residential College 4 Jun 2021 - Present
University Town College Programme

- Systems Thinking
- Modules Taken: Junior Seminar (UTC1702F), Senior Seminar (UTS2712), IEM (UTW1001H)

Taylor's College Malaysia Jan 2019 - Jun 2020
Cambridge International A-Levels

- Subjects Taken: Biology, Chemistry, Mathematics, Psychology
- Final GPA : 4.0/4.0 ; A*'s in all subjects
- Taylor's College Distinction Award

Kuen Cheng High School Jan 2014 - Nov 2018
Malaysian Certificate of Education (SPM)

- Graduated with 10 A's, including 5 A+'s in Mathematics, Additional Mathematics, Chemistry, Biology, History

WORK EXPERIENCE

Website Designer, NUS Office of Human Resources, Singapore Jul 2022

- Revamped WordPress microsite on Employee Development and Talent Management with Elementor during Year 1 summer break.

Private Tutor, Self-Employed, Malaysia Jun 2020 - Jul 2021

- Conducted Chemistry, Biology and Chinese online classes for 20 high school students in one year leading to 40% improvement in students' results.

Medical Assistant, Ara Damansara Medical Centre, Malaysia Dec 2019

- Synthesized patient data from medical history and new health screening report; coordinated with 20+ hospital staffs including physicians, registered nurses and dieticians.
- Extended technical assistance to registered nursing and administrative staff; facilitated in year-end hospital events planning and execution for 200 attendees.

PROJECTS

Software Engineering and Development, NUS Orbital 2022 **May 2022 - Aug 2022**

- Designed, prototyped and developed (full-stack) an Android / IOS mobile application - Track My Day in 3 months (Year 1 summer holiday) using React Native framework and elements.
- Initiated project based on ideas in optimising productivity apps by combining habit trackers, todo list and notes in one app; collaborated with another computing student for implementation and completion of project.
- Integrated app with Firebase Authentication for user authentication and Firestore for backend database management; data collected are stored in database and visualized as graphs in app interface.
- Redesigned app UI with 3D vector illustration, colour palettes, icons, details in text areas and buttons.
- Administered unit, integration, end-to-end, system and user testing for project; debugged and modified software after testing and analysing 30 sets of user feedback.
- Presented mobile app in poster and video to increase evaluation efficiency by at least 50%; documentation of project including README and Git commits are organized with comprehensive description of project; adhered to software engineering principles.
- GitHub Repo: <https://github.com/lihuicham/nus-orbital-project-2022>
- Project Demo Video: <https://www.youtube.com/watch?v=-wzJrKG1zDc>

Frontend Developer,

Google Developer Student Club - Project Mercy Relief **Sep 2022 - Present**

- Develop and deploy a Content Management System (to replace WordPress) for Mercy Relief by Aug 2023; new CMS should be user friendly and would be used to revamp existing website (www.mercyrelief.org) for better accessibility and responsive design
- Current progress of project: Completed onboarding.

Product Design, Shopee Product & Design Challenge 2022 **Sep 2022**

- Conducted user research and analysis; proposed new design for Shopee Supermarket mobile UI for improved user experience.
- Proposed solution includes redesigning search experience with custom filters and revamping navigation pages with bottom navigation UI.
- Project Submission:
<https://drive.google.com/file/d/1nDgIOKa0U8jsHMNOoHodunZ8QXoTQAiy/view?usp=sharing>

Web Development and Design, Personal Portfolio Website **May 2022 - Aug 2022**

- Developed a personal portfolio website with HTML, CSS, JavaScript and JS Animation Libraries.
- Improved User Interface and User Experience (UI/UX) with responsive page design for different screen sizes, hover and scroll effects, day/night mode, 404 Error Page and Work In Progress Page; increased user reach by 20% after revamp.
- Showcased professional projects, skills and qualification with personal website; enhanced networking opportunities by 50% through LinkedIn and social media.
- Personal Website: www.lihuicham.com

Content Creation and Video Editing, Aquaculture & Orang Laut

Jul 2022

- Created and published a video project on aquaculture, food security and Orang Laut in Indonesia, based on a one week study trip to Bintan, Indonesia.
- Incorporated data analysis, journal research and storyline planning in preparation of 5-minutes video.
- Translated Indonesian (Malay) interviews with 5 local communities to English and integrated relevant knowledge and experience in final video presentation.
- Video: <https://www.youtube.com/watch?v=uX7P2eV6Bfg>

Frontend Development, My Spotify Recommendations

Jun 2022

- Designed and implemented a spotify recommendations visualization webpage using pure HTML, CSS and JavaScript.
- Integrated Glassmorphism UI in page design and MixItUp filter for tabs categorization and animation.
- Project Demo: <https://lihuicham.github.io/my-spotify-recommendations/>

TECHNICAL SKILLS

- Programming Languages: Java, Python, R, JavaScript
- Data Analytics & Visualization: RStudio, Python libraries: Pandas, Numpy, Matplotlib, Seaborn, Jupyter Notebook, Power BI, Tableau
- Database: SQL, Firebase, MongoDB
- Frontend Development: HTML, CSS, JavaScript, JavaScript Animation Libraries
- Mobile App Development (Software Engineering): React Native
- UI/UX Design: Figma, Canva, Adobe Creative Cloud: Illustrator, Indesign, Photoshop
- Video Editing: Adobe Premiere Pro, Final Cut Pro X
- Audio Editing: Adobe Audition, Audacity
- Simulation Software: Vensim
- Language & Communications: English, Mandarin, Malay / Indonesian, Cantonese, Korean

AWARDS AND SCHOLARSHIP

- NUS ASEAN Undergraduate Scholarship 2021
- Taylor's College Distinction Award 2019
- Yamaha National Electone Festival 2019 Jury Award
- ABRSM Grade 8 Classical Piano 2018 Merit Award
- MSSMKL 2016 Basketball (F) Gold

EXTRA CURRICULAR ACTIVITIES

Sports Director, RC4 CSC Clubs & Societies

Aug 2022 - Present

- Coordinated 200+ students in Sports Committee and College Student Committee from all colleges in Inter-College Game 2023 planning and execution; achieved 500 total sign-ups for all sports categories.
- Supervised clubs and interest groups activities; recruited 10 new members for subcommittee; organized weekly meetings and on-site guidance for Inter-House Game 2023.

Publicity Director, RC4 Ambassador Committee

Jun 2022 - Present

- Directed publicity online and off-line campaigns for RC4 Ambassador Outreach events; received 100+ registrations for RC4 Open Day.
- Created and published 30+ publicity content and materials on college social media accounts; publicized events via user generated content and call-to-actions.

Head of Sports Interest Groups, RC4

Aug 2021 - Present

- IG Head of Basketball and Netball Interest Group; Captain for RC4 Basketball Female Team and won Silver in ICG 2021.

Blogger, Medium

May 2022 - Present

- Medium Profile & Blog Posts: <https://medium.com/@lihuicham>
- Write stories on productivity, student life and social issues on Medium.

Podcast Host, Just Little Things In Life Podcast

May 2021 - Present

- Podcast show: <https://open.spotify.com/show/0uwRGEGZz8ueZgVWOKiUx?si=6d3d00447d8a45ca>
- Created a podcast show in gap year; discussed topics related to personal stories and experiences; enhanced listening experience and engagement by 30% with audio editing