Meihui Fu

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https://mayhui-portfolio.vercel.app

EDUCATION

Sep 2020 — May 2024	**B.Eng (Computer Science and Design), Singapore University of Technology and Design** Singapore

Tracks

- Visual Analytics and Computing
- Fintech

Honours and Scholarships:

- GPA: 4.7
- Singapore SM2 Scholarship and Schwarzman Scholarship Owner

Sep 2022 — Feb 2023	**Exchange, University of Bristol** Bristol

- **Relevant Courses:** Computer Graphics, Visualisation and Data Analysis, Computer Vision

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INTERNSHIPS

Mar 2022 — Sep 2022	**Full Stack Developer, Carbon Disclosure Project** Singapore

- Led the design and implementation of a comprehensive data processing and visualization dashboard for CDP, utilizing advanced data analytics and visualization tools to transform complex environmental sustainability datasets into actionable insights.
- Leveraged technologies like SQL and Tableau for data manipulation, database management, and dynamic data visualization, resulting in enhanced data-driven decision-making capabilities for CDP stakeholders.

Feb 2023 — Apr 2023	**Sales and Marketing Strategy Intern, New Chine Life Insurance** China

- Interfacing with operations and product departments, collecting data from each branch using MySQL and Excel, analyzing and modelling them with Python, and visualizing the data to produce weekly reports
- Devised and implemented metrics & incentives for billing with the team, reviewed insurance claims and made strategic workflow recommendations for further improvements

May 2023 — Sep 2023	**Full-stack Developer Intern, Changi General Hospital** Singapore

- Developed a sophisticated web chatbot with NLP to streamline medical student orientation arrangements and information tracking, efficiently addressed student inquiries.
- Implemented a structured database system to efficiently manage student information and orientation schedules for the chatbot. Leveraged MySQL and Excel to create a scalable and structured database architecture that facilitated seamless data retrieval and manipulation.
- Developed an interactive web map using SVG and JavaScript, providing students with a dynamic way to navigate the hospital's facilities and critical areas.

ACADEMIC PROJECTS

Sep 2021 — Apr 2022	**SUTD Undergraduate Research Opportunity Program: No.1383** **Voice Analysis and Modelling of Dementia Patients**

- Employed machine learning and statistical analysis methods to build up soundtrack models and applied voice analysis using Python and Java.
- Collaborated closely with the research team to identify potential indicators of dementia in vocal patterns. The team successfully detected potential patients with an accuracy up to 62%

EXTRA-CURRICULAR ACTIVITIES

Nov 2021 — Present	**Vice President, SUTD Chinese Orchestra** Singapore

- Initiated and led a series of weekly performances at the local community center, designed specifically to engage and inspire the younger generation.
- Spearheaded two major collaborative concerts with Reverberance in 2021 and 2022, overseeing all aspects of event planning, coordination, and execution.

| Oct 2020 — Nov 2021 | **Tech Support Team Member, Project Sothea** | Singapore, Cambodia |

- Played a pivotal role in optimizing the project's database, resulting in improved performance and streamlined data management for medical outreach initiatives.
- Took charge of rewriting the existing system using Java, enhancing system efficiency, functionality, and user experience.
- Collaborated closely with medical students to align technical solutions with the project's medical objectives, ensuring seamless integration of technology into community service efforts.

LANGUAGES

| **English** | Native speaker | **Korean** | Highly proficient |
| **Chinese** | Native speaker | **French** | B1 |

HOBBIES

SPORTS: I am born to be passionate about all kinds of aquatic sports, including surfing, diving and swimming. I obtained the Second-class National Swimming Athlete certificate in high school.

MUSIC: I play both Chinese and Western Instruments, playing diverse instruments has provided a means for me to cultivate interdisciplinary thinking and adaptability.

20 October 2023

To Whom It May Concern

Eligibility for Employment Pass

1   Fu Meihui G1989430X is expected to graduate from Singapore University of Technology and Design and has a Ministry of Education bond obligation to serve in Singapore.

2   This letter serves to inform you that the Singapore government will exercise flexibility in the assessment of the Employment Pass application of Fu Meihui. You should also use the Self-Assessment Tool on the Ministry of Manpower's website for an indicative assessment on whether the applicant qualifies for an Employment pass. If your company finds this graduate suitable for a position and makes an Employment Pass application to the Ministry of Manpower (MOM), the necessary work pass arrangements will be facilitated after receiving your submitted application. This is subject to the qualifying notes overleaf (as attached), which includes complying with the Fair Consideration Framework.

3   This letter is supported by the Ministry of Manpower and is valid for 12 months from the date of graduation or date of issue, whichever is later.

4   You may email Daniel Cheong, the Career Coach, at daniel_cheong@sutd.edu.sg for clarification. Thank you.

Yours sincerely,

Angelvin C. Parma
Head, SUTD Career Development Centre