

Meihui Fu

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EDUCATION

Sep 2020 — May 2024	B.Eng (Computer Science and Design), Singapore University of Technology and Design	Singapore
	Tracks <ul style="list-style-type: none">• Visual Analytics and Computing• Data Analysis	
	Honours and Scholarships: <ul style="list-style-type: none">• GPA: 4.6• 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	

INTERNSHIPS

Mar 2022 — Sep 2022	Full Stack Developer, Carbon Disclosure Project	Singapore
	<ul style="list-style-type: none">• 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 China Life Insurance	China
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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	
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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.	

- 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.