Liu Qingyi

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EDUCATION

Nanyang Technological University (NTU),   **Aug 2019 – Present**
School of Computer Science and Engineering, Singapore
Bachelor of Engineering (Computer Science) CGPA - 4.48/5.00
Bachelor of Business (Business Analytics)

WORK EXPERIENCE

CIMB Bank, Credit Risk Analytics Intern   **May 2021 – Jul 2021**
- Data collection and cleaning using Python
- Risk analytics using the credit life cycle process
- Data storytelling by building Tableau dashboards

PROJECTS

Software Engineering: Health Mobile Application   **Apr 2021**
- Designed and developed using React Native, EXPO and Firebase
- Worked on the integration of fetching location data from data.gov.sg API, integration of push notifications system and frontend development

Analytics II: Time Series Forecasting Website Dashboard   **Apr 2021**
- Carried out data exploration to understand the seasonality and trend using Python.
- Used Python multi-variate regression models (Random Forest & XGBoost) as well as time series models (Auto ARIMA) to predict future water level
- Developed website dashboard using HTML, CSS, JavaScript, Bootstrap5 and Plotly generated visualisations

NCS INNOLYMPICS, 1st Place   **Mar 2021**
- Designed an artificial intelligence enabled physiotherapy session using an exoskeleton and smart mirror which aims to improve the recovery rate while increasing retention rates for physiotherapy

DSTA CODE_EXP Hackathon, 1st Place   **Jun 2020**
- Cloud-based mobile application developed using Firebase, React Native and EXPO to promote psychological well-being in times of COVID-19
- Worked on the frontend development and assisted backend integration of chatrooms and chatbot features

CO-CURRICULAR ACTIVITIES

NTU: Welfare Services Club, Deaf Community   **Aug 2020 – Present**
- Participating in weekly volunteering tutoring program for deaf and hard of hearing children

SKILLS AND LANGUAGES

Written and spoken languages: English and Mandarin
Programming languages: Python, Java, Javascript, HTML/CSS, React, SQL, R
IT skills: Proficient in Microsoft Excel, Word and PowerPoint, Tableau