JENNY SHEN

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GitHub: https://github.com/limei-china

PROGRAMMING SKILLS

Language:	JAVA, Python, C, C#, JavaScript
Front-end:	React, CSS Bootstrap, HTML, JavaScript ES8+
Back-end:	Python 3.7+, JAVA 17, JDK 17, TypeScript
Database:	MySQL, Django, DynamoDB
Tooling:	Git, GitHub, Linux, Postman
Cloud:	GCP, AWS

EDUCATION

December 2023
MASTER OF ENGINEERING SCIENCE, The University of Queensland
Master of Engineering Science (Software Engineering) 2023 -2023
GPA – 7/7

December 2022
BACHELOR OF ENGINEERING, The University of Queensland
Bachelor of Engineering (Honours) (Software Engineering) 2018- 2022
GPA – 6/7

WORKING EXPERIENCE

November 2023 – Present
RESEARCH ASSISTANT, The University of Queensland

- Utilised **Python** to train various password guessing models, explore enhancement of cybersecurity measures.
- Conducted several experiments to evaluate the performance of different models, focusing on the guessing ability in various scenarios.
- Analysed experimental data to identify key factors influencing model effectiveness, help to improve in model design and functionality.
- Wrote detailed research papers on the outcomes and findings of the experiments.

November 2021 - January 2022
TRAINEE ENGINEER, Shenzhen Sunline Tech Co., Ltd., China

- Learned Batch Transaction, Online Transaction and Front-end Counter Development, PO Process Development and CICD Process.
- Collaborated with the technology teams to write code specifications, and use **Git** to control the system version.

November 2020 - January 2021
TRAINEE ENGINEER, Institute of Mechanics, Chinese Academy of Sciences

- Designed and developed a visual interface for the post-processing of load data, using the **PyQT5** graphical user interface library with **Python** to enhance data visualisation and user interaction.
- Completed interface design of post-processing program of load results, enclosure drawing software, and distributed load inspection program of the whole machine.

- Analysed and integrated functional code with the user interface facilitating the execution of various functional operations within the software.
- Assisted colleagues with data processing tasks using **Python** scripting and completed a post-processing report on load results, improving the team's data analysis capabilities.

TEAM PROJECT EXPERIENCE

July 2023 – November 2023
ENGINEERING STUDENT, SMART on FHIR Project

- Developed an FHIR-based blood test risk reporting tool. Collaboratively designed and implemented a healthcare feature based on client specifications. This tool allows for the reporting and interpretation of blood test risks, and improves patient care management.
- Responsible for communication with clients and maintaining project progress logs each week, ensuring all teammates informed on weekly milestones
- Employed **Python**'s statistical libraries to develop a Generalised Linear Model that predicts blood test risks.
- Integrated **FHIR API** with a **ReactJS**-based user interface, achieving a robust data flow between backend **Python** services and the frontend application, enhancing the user experience for patients and clinicians.

February 2022 - November 2022
ENGINEERING STUDENT, Thesis Project of The Future of Meeting (TFOM)

- Collaborated with professors in different fields, including software engineering, machine learning, and human-computer interaction to create innovative approaches to the future of conferences
- Developed a series of prototypes with varying levels of fidelity followed by user testing to validate design concepts and usability.
- Tracked the entire user testing process, collected feedback, identified UX shortcomings, and drafted an improvement report.
- Design an innovative **Unity**-based feature, utilizing **C#** programming for backend logic, which allow conference attendees to find peers with similar interests at large conference quickly. Depending on distance, features will be represented differently.

PERSONAL PROJECT EXPERIENCE

November 2023 – December 2023
IBM Full Stack Application Development Project

- Developed a **Django** web application integrating IBM Cloud services and database management.
- Implemented user management in **Django**, including the creation of superusers, and managing login/logout functions and user registration.
- Developed dynamic front-end pages and integrated them with back-end services using **Python** and **JavaScript**.
- Learned containerization techniques and deployed a Django application to Kubernetes in a lab environment.
- Used **GitHub** for version control to ensure continuous development and deployment.

ADDITIONAL INFORMATION

Professional Engineer – Skill Level 1
PTE Academic Overall Score 79
Deans Commendation Certificate for 2018 sem2, 2022 sem1, 2022 sem2, 2023 sem1 and 2023 sem2