Carmen(Wei) Dou

+1 6692079265 │ carmendou0514@gmail.com

EDUCATION

University of Pittsburgh	**Master of Information Science**
GPA: 3.964/4	Pittsburgh	08/2023 - Present
Nanjing University of Information Science and Technology	**Bachelor of Computer Science**
GPA: 3.7/4	China	09/2014 - 06/2018

EXPERIENCE

University of Pittsburgh — **Graduate Teaching Assistant**
Database Design and Big Data Analytics — U.S. | 02/2024 - Present

- Assisted lead teacher and professor and provided undergraduate and graduate students with clearly defined course objectives for the **Database and Big Data Analytics course** in the Department of Health Information Management, provided notes to students, and provided review preparation for all exams.
- Held weekly office hours and one-on-one sessions to provide tutoring, counseling, or assistance to students in need.

Eccom Network System Co., Ltd — **Full Stack Development Engineer**
Web application system development — China | 01/2021 – 07/2023

- Engaged in and followed up the whole process of R&D, analyzed clients' needs, and reviewed designs of OA/finance/commerce system.
- Developed the Frontend with **ASP.NET**, Backend with **VBScript**, and **SQL Server** as database, and tested white and black boxes for official launch as the full stack developer.
- Built up the website with **Javascript** and **HTML5**.
- Controlled version with **VSS**.
- Optimized **SQL** queries, significantly reducing data retrieval time, obtained data of different dimensions with MDX after data cleansing, and rendered them via Microsoft PowerBI.

Enterprise's application-level App design — China | 07/2018 – 12/2020

- Set up a handheld App to realize operable modules on mobile phones with **React-Native**, including leave, business trip, and overtime applications.
- Controlled with **Git** and published in the Apple Store.
- Developed an online check-in module for remote check-in during COVID-19.
- Published the App to the Apple App Store and almost 2,000 App users.

PROJECTS

Online Shopping App — 01/2024 – Present

- Designed the app to implement user authentication, product display, shopping cart management checkout process, notifications, etc.
- Recommended products for members according to their browsing and purchasing history.
- Developed front-end with **Ionic** (**Angular**), back-end with **SpringBoot** (**Java**), and **Mysql** as database.
- Github link: https://github.com/CarmenDou/onlineshopping

Gym Management System — 09/2023 – 12/2023

- Designed the system to implement a comprehensive system that empowers both staff and members to independently carry out various operations.
- Recommended courses for members according to their profile.
- Developed front-end with **Bootstrap**, back-end with **Flask(Python)**, and **Mysql** as database.
- Elevated the overall experience for staff and members, promoting autonomy and efficiency.
- Github link: https://github.com/CarmenDou/gym

Hospital Management System — Jan 2018 – Jun 2018

- Designed the system to implement outpatient, inpatient management, and drug management.
- Developed back-end with **C#, ASP.NET** tool, and **SQL Server** as database.
- Avoided some common management problems and greatly improved overall efficiency.
- Github link: https://github.com/CarmenDou/HospitalManageSystem

PROFESSIONAL SKILLS

- Language: Python, Java, VBScript, C#, TypeScript, JavaScript, HTML, SQL, MDX
- Framework/tools: Angular, Ionic, Flask, React-native, .NET, Git, VSS, MySQL, SQLServer

LINKS

- Linkedin: https://www.linkedin.com/in/wei-dou-2b15a628b