

Carmen(Wei) Dou

+1 6692079265 | carmendou0514@gmail.com

EDUCATION

University of Pittsburgh

Master of Information Science

GPA: TBD/4

Aug 2023 - Apr 2025

Pittsburgh

Nanjing University of Information Science and Technology

Bachelor of Computer Science

Honor/Awards: First-class Scholarship, Excellent Student Cadre

GPA: 3.7/4

Sep 2014 - Jun 2018

Nanjing, China

SKILLS AND RELATED COURSES

- Related Courses: Data Structure, Algorithm, Software engineering, Database Management
- Language: Python, Java, VBScript, C++, C#, Javascript, HTML, SQL, MDX
- Framework/tools: Flask, React-native, Git, VSS
- Database: MySQL, SQLServer

EXPERIENCE

Software Development Engineer

Eccom Network System Co., Ltd

July 2018 – July 2023

Shanghai, China

Web application system design and development of OA/finance/commerce

- Engaged in and followed up the whole process of R&D, analyzed clients' needs, and reviewed designs.
- Developed the front end and database, and tested white and black boxes for official launch as the full stack developer.
- Developed back-end with VBScript and SQL Server as database.
- Built up the website based on Javascript and Controlled version with VSS.
- Optimized SQL queries, significantly reducing data retrieval time and enhancing the overall performance and user experience of the systems.

Enterprise's visual management platform (data analysis)

- Designed a series of visual data reports for HR management to show each department's staff profiles and situations from particular aspects set;
- Provided basic data, obtained data of different dimensions with MDX after data cleansing, and rendered them via page diagrams.
- Achieved a 5% increase in staff utilization.

Enterprise's application-level App design

- 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

Gym Management System

Nov 2023 – Dec 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, 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>

LINKS

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