

Sunny (Feiyang) Guan

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

May 2025

B.S. in Computer Science, concentration in Machine Learning, **GPA: 4.0/4.0**

Relevant courses: Distributed Systems, Parallel Algorithms, Computer Systems, Deep Learning, Machine Learning(PhD)

SKILLS

Programming Languages: Java, Python, C/C++, SQL, JavaScript/React.js/Vue.js, HTML, CSS

Tools: Spring Boot, ChatGPT, Pytorch, Numpy, MySQL/PostgreSQL, TailwindCSS, Redis, Nginx, Git, Linux

EXPERIENCE

Odoo Inc

Jun 2023 - Aug 2023

Full Stack Engineer Intern

- Integrated ChatGPT into Odoo CRM system, a framework empowered by **Python**, **PostgreSQL** and **Javascript**.
- Optimized customer service pipeline by enabling ChatGPT to categorize and tag incoming help tickets, leading to a **20%** increase in the number of tickets resolved per day.
- Fine-tuned ChatGPT using prompt engineering to improve tagging accuracy from 67% to **89.5%**.
- Collaborated with support teams to develop a data pipeline that automatically gathers and preprocesses the training dataset, ensuring the model remained up-to-date with the latest customer concerns.

Carnegie Mellon University School of Computer Science

Aug 2022 - Dec 2022

Teaching Assistant

- Led recitations and office hours for 15-112, a **Python** course with 500+ students.
- Crafted **Python scripts** to automatically monitor student attendance and send students feedback via email, leading to a 200-300% increase in productivity.

PROJECTS

Distributed File System

Mar 2023 - Apr 2023

- Designed and developed a Linux-based distributed file system using **Java** and **C** from scratch.
- Crafted on-demand **Least Recently Used caching** mechanism, reducing storage space usage by up to **90%** and outperforming popular solutions like Dropbox.
- Implemented **two-phase commit** protocol to ensure data consistency and utilized log-based recovery to enhance reliability and fault tolerance,
- Created a C shared library for handling IO calls, enabling seamless integration at the Operating System level.

Protigue Eats

May 2022 - Aug 2022

- Developed an online food ordering web app featuring **RESTful Web Service**.
- Built the backend server with **Java** and **Spring Boot** framework
- Improved **MySQL** database connection speed by **Druid** datasource and developing efficiency with **MyBatis-Plus**
- Reduced menu loading time by 43% with **Redis** caching popular meals.

Portfolio website (link: <https://sguan.netlify.app>)

Sep 2022 - Present

- Built a **responsive** portfolio website based on **React.js** and deployed on Netlify.
- Implemented the website as a Single Page Application to reduce loading time by 50-60% with the aid of **React-Router**.
- Ensured a uniform design style on both computers and mobile devices by using **TailwindCSS**.