

Chao Zhao

2 Lutes Dr, Hillsborough, New Jersey, 08844

Objective: Software engineer internship Summer 2022

☎ 908-200-9497

✉ cz333@scarletmail.rutgers.edu

in <https://www.linkedin.com/in/chao-zhao-1bb123220/>

EDUCATION

RUTGERS UNIVERSITY

New Brunswick, NJ

Master of Science, Computer Science. GPA: 3.7/4.0

2021 – 2022

Main courses: Data Structure and Algorithm, pattern recognition, Data Base System, Web application development, etc.

YANSHAN UNIVERSITY (Top 10 in Computer Science)

Hebei, CHINA

Bachelor of Engineering, Computer Science and Technology. GPA: 3.8/4.0

2007 – 2011

Main courses: Java, Operating System, Computer networks, Computer Architecture, Software Engineering, etc.

TECHNICAL SKILLS

Programming languages: Java, Python, JavaScript, C, SQL.

Back end: REST, Spring Boot + Maven, MVC, MyBatis, RocketMQ, JSP, nodejs.

Front end: HTML/CSS, JavaScript.

Database: MySQL, Redis, MongoDB.

Software: IntelliJ, Eclipse, Pycharm, Visual Studio

Miscellaneous: AWS, Machine Learning, Spiking Neural Network, TensorFlow, Git.

PROFESSIONAL EXPERIENCE

State Grid Corporation of China (SGCC)

China

Information system administrator

2011 – 2016

- Kept projects on schedule through regular check-ups, ensuring that all collaborators were staying on task.
- Led a team of 9 engineers, guiding them towards the successful launch of a new system that working on integrating several different sub-systems.
- Edit weekly reports, analyze operational issues, and develop plans of action to improve performance.

Business operation analyst

2017 – 2020

- Analyzed factors contributing to transformer overloading and developed a new strategy for load balance.
- Collaborated with a team of 5 engineers, engaged in developing a new system to monitor the power consumption.
- Took the charge on a strategy presentation, working overtime to ensure it got completed by the deadline.

PROJECTS

Project 1: High Availability Online Shopping System for Black Friday

Nov.2021 - Jan.2022

- A java web application served as a high availability online shopping system for Black Friday.
- Leveraged Spring Boot and MyBatis with java, responsible for the backend features of this project.
- Delt with the high concurrency and large flow. Designed the workflow help optimize the efficiency of the system.
- Tested the application with Jmeter, able to deal with up to 10,000 concurrent queries.

Project 2: Let Image Talk GANSpace Approach Implementation

Nov.2021 – Dec.2021

- Implemented the GANSpace approach to analyze Generative Adversarial Networks and identify new interpretable control directions for existing GANs.
- Responsible for the implementation of GANSpace approach with pretrained StyleGAN2 model to discover interpretable controls.
- Applied to Pizza10 dataset, significant interpretable controls can be found by GANSpace, such as visual angle, shape and ingredients.

Project 3: Data Query System

Feb.2021 - Apr.2021

- A java web application prototype enabled customized extraction of data from different databases.
- Leveraged JSP+Servlet+JavaBean framework. Responsible for the design and implementation of the system, both frontend and backend.
- Leveraged ERD plus to implement data modeling, utilized AWS as the platform for the implementation of the services. Designed an access management scheme to guarantee the security of the data. Deployed the services on AWS EC2.
- Able to provide up to 50 customized data of data. Average time for retrieving 10,000 rows of dataset is 300ms.