

Geping Chen (Emily)

Graduating summer 2023 | (571)-899-1014 | gepingchen1008@gmail.com | Falls Church, VA

Github: <https://github.com/Chengp1997>

EDUCATION

Virginia Polytechnic Institute and State University(Virginia Tech)

Aug 2021 - Present

Computer Science and Application (Master)

GPA: 3.9/4.0

VA, United States

Relevant courses: Blockchain technologies, Software Engineering, Machine Learning with Big Data, Data Analytic, Intro to AI...

Northeastern University

Sep 2016 - Jul 2020

Software Engineering (Bachelor)

GPA:3.4/5.0(Major 3.6/5.0)

Shenyang, Liaoning, China

Relevant courses: Data structures and Algorithms, Computer Networks, Operating Systems, Object-oriented Programming & Design(Java), Introduction to Database,Introduction to Distributed Systems, Design Pattern, JSP and Servlet Techniques etc.

SKILLS LIST

- Programming Language: Java(most familiar), SQL, Python, Kotlin, C++, C, Scala
- Techniques: Linux, Spring Boot, REST, HTML, CSS, JS, jQuery, AJAX, SOA
- Tools: Experience in AWS S3, EC2. Git, Maven, Tomcat, MySQL, DB2, Redis, Hibernate, Mybatis, MongoDB

PROFESSIONAL EXPERIENCE

Neusoft

May 2019 - Jul 2019

Software Engineer(Internship)

Shenyang, China

- Learned the in-vehicle system of cars, skills required for work, such as MOST protocol, proficient usage of Linux, C++ etc.
- Processed and transformed data to the acceptable format between dashboard and vehicle system. Displayed data from system on dashboard and broadcast data to the other devices from dashboard using RPC technologies.
- Design and did the unit Testing, Integration Testing of the device.

4399 Network CO., LTD

Jan 2019 - Mar 2019

Big-data R&D Engineer (Internship)

Xiamen, China

- Learned various technologies and frameworks related to big data, including Hadoop, Spark, etc.
- Took responsibility for development and maintenance of 4399 big-data platform. Completed ETL development according to the requirements of different platforms, analyzed, found the data, established the schema and stored them into the database
- Communicated and negotiated with technical staff of other platforms, understood their need.

PROJECT EXPERIENCE

RESTful Blog Web App

Aug 2022 - Present

- Developed a **RESTful** blog web app. Users can publish articles, view articles, give comments etc.
- Used **Spring Boot** framework to develop the back end of the app. **MyBatis** as ORM framework, **MySQL** as database, **Redis** as cache tool. Used **AWS S3** as my image server.
- Used **Vue.js**, component libraries to implemented the front end of the app.
- Used **Docker** and **Nginx** to deploy the app on **AWS EC2**.
- **JWT** and **Interceptor** technologies are applied for access control. **Thread Pool** technology is used in updating, speed up users accessing website. **AOP** is used in log and cache.
- Implemented user authorization using **Spring Security** for Administration system.
- Code link: <https://github.com/Chengp1997/myBlogDemo> Website: <http://www.gpchen.me/#/>

Car bidding application using smart contract

May 2022

- Design and implemented a smart contract application of car bidding, including features like price estimation, car info management, car bidding, bid validation etc.
- Implemented the contract using **solidity**, deployed on Rospen test network, and used the MetaMask as the wallet application.
- The application brings a great convenience to buyers and owners, and improves the security and privacy of the bidding process thanks to the use of smart contract.
- Code link: <https://github.com/Chengp1997/Application-of-car-bidding-application-using-smart-contract>

Olympic Website

Jul 2018

- Realized pages of displaying event information, athlete information, searching pages, medal list, backstage management etc.
- Used **JSP**, **Servlet**, **Ajax**, **jQuery** etc. to implemented the front end. Used Java, **MySQL** to implement the back end
- Applied design patterns. Adapter for incompatible interfaces, Decorator to create system admins and Strategy for calculating scores.
- Code link: <https://github.com/Chengp1997/OlympicGames-JSP>