

Zhufeng (Zephyr) Qiu

+1 (206) 670-8645 | qiu.zhuf@northeastern.edu | <https://www.zhufqiu.com> | Seattle, WA

EDUCATION

Northeastern University, Khoury College of Computer Sciences Jan. 2023 - Dec. 2024 (Expected)

- M.S. in Computer Science, **GPA: 4.0/4.0**
- Related course: Programming design paradigm, Database management system

University of Southern California, Viterbi School of Engineering Aug. 2019 - Mar. 2021

- M.S. in Applied Data Science, **GPA: 3.83/4.0**
- Related course: Algorithm, Data mining, Machine learning, Data management

Wuhan University Sep. 2014 - Jun. 2018

- B.S. in Geographical Information Science, **GPA: 3.58/4.0**
- Related course: Data structure, Linear algebra, Discrete mathematics, Probability theory and statistics

EXPERIENCE

Northeastern University, Seattle Campus Seattle, US
Teaching Assistant for CS5800 Algorithms Jan. 2024 – Apr. 2024

NSFOCUS Technologies Group Co. Ltd. Wuhan, China
Research and Development Engineer Jun. 2021 – Dec. 2022

- Connected original product logs to **Kafka** topic, preprocessed and normalized these original logs, and then stored filtered normalized data in **Elasticsearch** engine. Provided this data pre-processing service for over 100 clients at an average dataflow of five million per day.
- Utilized the statistic and machine learning models to build the behavior baselines for users and entities, filtered out the abnormal users and entities by comparing them with the baselines. Achieved alerting to 100 percent of severe threats and 90 percent of high threats as measured by China Telecom (Guangdong and Hebei branch) to help them pass the 2022 China cyber security offensive and defensive exercises.

PROJECT

NBA Statistic Website (Team project) Nov. 2023 – Dec. 2023

- Developed a MERN application that allows users to preview all the active teams/players, compare these teams/players, and create/update their fantasy team.
- Built back-end with Node.js and Express.js, and used Mongoose ODM library to connect MongoDB Atlas database.
- Designed front-end UI, and implemented it with React.
- Utilized Google OAuth2.0 to take advantage of Google e-mail login/logout features
- Configured and Deployed the project to Google Cloud.
- Split project, assigned tasks, and monitored project progress.

DevConnector Social Network Platform Feb. 2023 – May 2023

- Developed a full-stack application for developers (that allow users) to authenticate, create profiles, and post to forums.
- Built **RESTful APIs** with **Node.js** and **Express.js**, and used the Mongoose ODM library to interact with a MongoDB cloud database.
- Designed front-end UI with **Sass** and implemented it with **React**, utilizing **HTML**, **CSS** and **JavaScript**.
- Protected routes with **JWT** (JSON Web Tokens), and used **express-validator** express middleware to secure information across HTTP requests/responses.
- Managed app state with **Redux** reducers and actions, and deployed the project to **Heroku**.

EazySchool Management System Jan. 2023 – Apr. 2023

- Developed a student and course management platform using the **Spring** framework and **Spring Boot** extension.
- Designed and implemented application architecture using **Spring MVC**, and interacted with the database using **Spring JDBC** and **Spring Data JPA**.
- Managed user access and authentication using **Spring Security**, monitored application with the **Spring Boot Actuator**, and deployed the project to **AWS Elastic Beanstalk**.

SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, C++

Frameworks/Tools: React, Node.js, Express.js, Spring Boot, Spark, scikit-learn, Hadoop, RESTful API, JUnit, MongoDB, AWS, Git, Gradle, Maven