Chen Gu

(617)-899-7626 | gu.che@northeastern.edu | Website | LinkedIn | GitHub

EDUCATION

Northeastern University   GPA:3.54/4.0   **Boston, MA**
Master of Science in Computer Science   Dec 2020

Relevant Coursework: Object-Oriented Design, Algorithm, Web Development, Computer System, Computer Networks

Northeastern University   **Boston, MA**
Bachelor of Science in Business Administration   May 2018

Concentration: Management Information System & Finance

TECHNICAL SKILLS

Programing languages: Java, Python, JavaScript, HTML, CSS, Elixir
Database: MySQL, PostgreSQL, MongoDB, SQLite
Framework/Libraries: React.js, Node.js, Express.js, Knockout.js, jQuery, Spring, Phoenix
Version Control & CI/CD: GitHub, TFS, Azure DevOps, Jenkins, Jira
Others: AWS, Maven, Tomcat, Postman, Cloud Foundry, REST, Wireshark, Hibernate, Servlet, Junit

WORK EXPERIENCE

Philips   **Cambridge, MA**
Software Development Engineer Coop   Jan 2020-Aug 2020

- Participated in cloud-based framework implementation for the project under patient Monitoring that enables predictive analytics for multiple connected healthcare application
- Implemented new features in C# on-prem application, enhanced Java and interactive cloud application
- Analyzed and fixed 20 security vulnerabilities for both on-prem application and cloud application
- Developed and implemented IAM onboarding scripts in python for the test team
- Composed and improved various documents, including feature spec, deployments, and compliance

State Street Corporation   **Boston, MA**
Data Analyst Coop   Jun 2016-Dec 2016

- Participated in client data migration projects and improved data quality by over 20% within client administration
- Implemented auto-generate script for weekly reports, improved procedures, and saved five hours of manual work
- Processed an average of ten requests every day, created and corrected data elements on the Salesforce platform

ACADEMIC PROJECTS

Inventory Management System   **Aug 2019**

- Developed a web ERP application to calculating ratios, manipulate CRUD with the GAPP accounting principle applied
- Designed and built schema in MySQL on AWS RDS**,** applied stored procedures and triggers to facilitate order manipulation
- Created RESTful API using Servlet in Java, used Hibernate for ORM, structured web interface using Bootstrap

Diglett Chat Application   **Aug 2019**

- Build a web-based online chatting Java application that supports 500 users online
- Designed and implemented application in an Agile environment, created and maintained project tasks using Jira
- Implemented RESTful API using Servlet, created Unit tests in Junit and maintained CI/CD pipeline using Jenkins

NewsBee Forum Web Application   **Oct 2019**

- Developed a SPA web application for individuals to read news along with peer commentators
- Built the web interface using React**.js** and Phoenix, implemented SPA with Redux and React-Router
- Structured the relational database (Postgres), implemented server to server external API connection to third-party libraries

Roll Own CDN   **Oct 2020**

- Built a small content delivery networks(CDN) in python, used multiple AWS EC2 server as original and replica server
- Implemented DNS server dynamically respond to client the best replica server, constructed DNS packet from scratch
- Developed an LRU cache mechanism in HTTP server that effectively fetches content from the origin server
- Ranked top 3 fastest CDN in performance competition in class