Mengchen Gao

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TECHNICAL STRENGTHS

Languages	Java 8, JavaScript, SQL, Shell, HTML, CSS
Frameworks & Tech	Spring Boot/ MVC, Hibernate, Node.js, RESTful, MySQL, MongoDB, Kafka, Elasticsearch
Systems & Tools	AWS, Git, Docker, CircleCI, Linux, IntelliJ, Visual Studio, Jira

EDUCATION

Expected April 2021   **Northeastern University**   Master - Information Systems
· GPA: 3.67/4.00
· Relevant Courses: Cloud Computing, Web Development, Data Structure & Algorithm, QA

Sep 2014 - Jun 2018   **Beijing University of Technology**   Master - Software Engineering
· GPA: 3.84/4.00
· Awards: **National Scholarship** of Graduate Students,
        National Bronze Award at China Students' Entrepreneurship Competition

Sep 2010 - Jun 2014   **Beijing University of Technology**   Bachelor - Software Engineering
· Relevant Course: Data Structure and Algorithm, Linear Algebra, Probability and Statistics,
   Advanced Calculus

WORK EXPERIENCES

Dec 2019 – Present   **CryptoAlgoWheel** (app.cryptoalgowheel.com/coin-monitor)   Software Engineer (Volunteer)
· Worked on building data processing module of a cryptocurrency market data **API** product
· Implemented **ETL** to parse crypto market data from **Kafka** and load into **InfluxDBs**
· **Dockerized** ETL and created pipeline on **AWS** by using **ECR**, **CodePipeline**
· Created telegram bot to do real-time monitoring of data consistency and server stats

July 2018 – Sep 2018   **Danhe Biotech Industry Social Network**   Software Engineer (Volunteer)
· Worked on building backend of a social network for biotech industry
· Designed and implemented API service by using **Node.js, Express.js** and **MySQL**

Sep 2014 - Jun 2017   **Course: Foundation of Information Security, and Network Security**   Teaching Assistant
· Organized bi-weekly TA session and instructed lab
· Graded quiz, home assignments, and exam

PROJECTS EXPERIENCES

Dec 2017 - Jun 2018   **Data Preservation System**   Java Web
· Won National Entrepreneurship Competition with this project
· Created a web application to protect user from corrupted files by using **Spring** and **Hibernate**
· Built **RBAC** by using Spring Security and customized authentication rules

May 2014 -Nov 2014   ***Mobile Intelligent Systems Testing: Principles and Practices***   Mobile Testing
· ISBN: 9787111538301
· Author of the 4th chapter: Function testing on mobile intelligent systems, P88-102

PATENT

Mar 2018   Patent: ***Centralized data preservation method and system with source data security guaranty mechanism***
· Publication Number: CN201610012260