

Qiaoqi Tang

SEEKING FOR FULL-TIME SOFTWARE DEVELOPMENT ENGINEER

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Work Experience

Liba Education Inc.

Los Angeles, US

WEB DEVELOPER INTERN

Feb. 2020 - Apr. 2020

- Built **Carousel** using **Bootstrap.js** and put it at top of front page, which lead **10% increase** of visitor volume. Designed **CSS 3D transform Colorful Animated Carousel** to show company achievement, which caused page view volume increase **25%**.
- Designed and built "Contact Us" page, constructed forms using **Bootstrap.js**. Set onclick event for "Submit" button, applied **Thymeleaf** in **Spring Boot** to transfer the data in web form to a **MySQL** database and sent submitted information to company email through gmail server.

UniBit Inc.

Boston, US

SOFTWARE DEVELOPER INTERN

May. 2019 - Jul. 2019

- Obtained all releases of economic data from the FRED API (About **450** data groups). Parsed the data into a relational data table by creating a **Python** file to connect **JSON** file with **MySQL Workbench**.
- Built active data tables in web page with an open source front-end **modal-DataTables Editor**. Deployed the web page onto the **Google Cloud**. **APP Engine** technology was chosen for this web page.
- Configured and Downloaded a data source with **3650** groups data from **UniBit API**. Analyzed the data sets and built a chart using **Box Plot Modal** in **D3.js**.
- Imported **3441** data groups into **Elasticsearch** Server and configured Elasticsearch on **GCP**. Deployed the web page with statistics chart onto GCP using **Compute Engine**.

Projects

AWS based Web Service Development

Aug. 2020 - Sep. 2020

- Use **HTML**, **CSS**, **Javascript**, and **Ajax** to design the user interface layout. Created **Java Servlets** with **RESTful APIs** to handle **HTTP requests** and responses.
- Connected **GitHub Job API** with SearchItem Servlet. Purified data from GitHub by using item class in GitHubClient to get clean data. Created **MySQL DB** instance on **RDS** to save and read data.
- Applied **Monkey Learn API** to realize keyword extraction. Designed authentication process and algorithms of recommendation system based on search history and favorite records.
- Set up an **EC2 VM** instance on **AWS**. Deployed the project to the EC2 VM with **Docker**.
- Project Website: <http://3.101.43.189/jupiter>

Parallel Agile CodeBot UX Database and API code generation

Sep. 2020 - Present

- Used **Scala** and **Twirl** templates to turn **UML Domain Models** into executable **MongoDB** and **Node.js** code.

UNIX Socket Programming Based on AWS Connection

Nov. 2019 - Dec. 2019

- Configured one dynamic **TCP connection** between AWS server and client, and **UDP connections** between AWS and two servers using **C++**. Visualized data interaction among four terminals could be seen from onscreen messages.
- Stored and rearranged data groups read from map documents into server, and used the **shortest path algorithm** to calculate best path.
- Calculated translation and propagation delay of each path in AWS server, and then returned results to clients.

Education

University of Southern California (USC)

Jan. 2019 - Dec. 2020

M.S. IN ELECTRICAL ENGINEERING

GPA: 3.78/4.0

Tianjin University (TJU)

Sep. 2014 - Jul. 2018

B.S. IN ELECTRICAL ENGINEERING

GPA: 3.71/4.0

Skills

Programming	JAVA, C/C++, Python, Scala
Web Site Back-end	Spring, Spring Boot, Thymeleaf, Elastic Search, MySQL, RESTful API
Web Site Front-end	HTML5, CSS3, JavaScript, Bootstrap.js, jQuery, DataTables Editor, D3.js, AJAX, React
DevOps and others	AWS, GCP, Docker, Git, Amazon RDS, MATLAB, IntelliJ, Eclipse, MySQL Workbench, Apache Tomcat, Postman, Sublime Text, Wampserver, Wireshark