

Hanwen Guo

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SKILLS

Programming Languages:	Java, Python, JavaScript, C#, SQL
Web Design:	Servlet, JSP, ASP.Net, Ajax, jQuery, html5, CSS
Frameworks:	Bootstrap, Angular, Spring Boot, Spring MVC
Programming Tools:	Git, Maven, IntelliJ, NetBeans, Eclipse, Visual Studio, Visual Code
Database Skills:	MySQL, PostgreSQL, MongoDB
Data Explanation and Transfer:	xml, json
Web Server:	Tomcat
Platform:	Windows, Linux

EDUCATION

Master of Science: **Information Systems, GPA: 3.77 / 4.0** Expected graduation 05/2019
Northeastern University, School of Engineering – Boston, MA

Bachelor of Science: **Aircraft Design and Engineering, GPA: 3.4 / 4.0** 06/2017
Beihang University, School of Aeronautic Science and Engineering – Beijing, China

WORK EXPERIENCE

Software Developer Intern 05/2018 to 08/2018

Sina Weibo Corporation – Beijing, China

- Developed a web tool for a Chinese social platform network company by using Java.
- Increased the efficiency of merging code and routine workflow by 40%, which means tasks can be usually finished 2 hours in advance.
- Technologies: Bootstrap, Servlet, JSP, MySQL, GitLab API, reviewBoard API, Sina Central Authority System
- Combined several systems (GitLab, reviewBoard, Company login system) into one single tool.
- Achieved the function of merging code remotely through Auth2.0 protocol by using GitLab API.
- Implemented the function of sending emails automatically by using JavaMail.

ACADEMIC PROJECTS

Web Scraping with Python / Database Building by Scraping Data from Twitter 03/2018 to 04/2018

- Technologies: Python, Jupiter Notebook, Twitter API, PostgreSQL, MongoDB.
- Scrapped more than 10,000 tweets by Tweepy (Twitter API).
- Visualized and validated the data scrapped by using Panda library in Jupiter Notebook.
- Separated the data into different tables, and restored them in PostgreSQL while important functions in Twitter can be achieved by SQL query.
- Transferred the database from PostgreSQL (SQL) to MongoDB (NoSQL), and kept the functions of major queries.

Mean Stack Project / Black Friday Shopping Website 11/2017 to 12/2017

- Technologies: Angular4, Node.JS, Express, MongoDB, Bootstrap.
- Created a realistic website that accomplished most mainstream functions, including logging in, registering, searching products and so on.
- Displayed and manipulated all the data imported from MongoDB.

Java Project / Movie Manufacture System 11/2017 to 12/2017

- Technologies: GUI/SWING, db4, IMDP API.
- Completed a system aiming at to provide service for different roles in movie manufacture (e.g. director, actor).
- Achieved the registration and login functions.
- Improved the system by implementing the movie online search function by IMDB API.