

Bo Miao

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OBJECTIVE

Seeking an intern position in software engineering

EDUCATION

San Jose State University (GPA: 3.8/4.0)	Aug 2018 - Dec 2020
<i>M.S. in Computer Engineering</i>	<i>San Jose, CA</i>
Tsinghua University	Sep 2015 - Jul 2018
<i>M.S. in Environment Engineering</i>	<i>Beijing, CN</i>
Tongji University	Sep 2011 - Jul 2015
<i>B.S. in Environment Engineering</i>	<i>Shanghai, CN</i>

RESEARCH EXPERIENCE/COURSE PROJECTS

Clone Product Hunt System (www.miaoboproducthunt.com) July 2019 - Aug 2019

- Established a backend service, which consists of login system, add products system and thumbs-up system by utilizing **Django Framework** and **PostgreSQL**.
- Integrated **Gunicorn** to improve web service and **Nginx** to accelerate loading static files and sustain loading balance.
- Implemented the project online using **DigitalOcean** as VPS (more than 300 visitors till now).

Course Registration System May 2019 - Jun 2019

- Established a backend service, which consists of login system, search system, add & drop courses system by utilizing **Angular Framework**, **Java Spring** and **MySQL**.
- Organized **APIs in Restful styles** to connect front-end and controller, **JWT** to authorize users, **JHipster** to integrate the project and generate the web, **Hibernate** to operate database.
- Enhanced searching algorithms (decrease 70% searching time) and supported more than 200 students.
- Planned and tracked cross-functional system design and end-to-end development through **Agile** across the team.

Support Vector Machine (SVM) for Human Activity Recognition Oct 2018 - Dec 2018

- **Preprocessed** the data through calculating accelerations in combining different dimensions.
- Modified the **SVM** model, enhanced the accuracy (up to 95%) by comparing key parameters and accelerated the speed (decrease 2/3 training time) through **PCA**.

Unix Shell and History Feature Oct 2018 - Dec 2018

- Created the function that father process could create child process and set the new execution order to simulate shell.
- Implemented a history feature to record and inquire the commands before.

WORKING EXPERIENCE

Yonyou Software Corporation Mar 2017 - Apr 2017
Technical Support Intern *Beijing, CN*

- Focused on technical support and reviewing codes with teammates.
- Initiated front-end platform in virtual environment, examined, analyzed and tuned parameters for data content metrics, automated debugging procedure by simulating the operating environment of customers via DB management. (helped more than 100 customers).

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL, HTML, CSS, JS(ES6)

Frontend: Angular, React **Backend:** Spring, Django, MySQL, PostgreSQL

Tools: Git, DigitalOcean, AWS, IntelliJ, Eclipse, Jupyter

Core Courses: Data Structure/Algorithm, Operating Systems, Computer Architecture, Advanced Computer Design, C/C++ Programming, Database Technology and Applications (MySQL), System Software, Machine Learning