

Bo Miao

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OBJECTIVE

Seeking an intern position in software engineer

EDUCATION

San Jose State University (GPA: 3.8/4.0)

Aug 2018 - present

M.S. in Computer Engineering

San Jose, CA

Course: Data Structure/Algorithm, Operating Systems, Computer Architecture, Digital Design, Advanced Computer Design, System Software, Machine Learning, Large-scale Analytic

Tsinghua University

Sep 2015 - Jul 2018

M.S. in Environment Engineering

Beijing, CN

Course: Numerical Analysis (MATLAB)

Tongji University

Sep 2011 - Jul 2015

B.S. in Environment Engineering

Shanghai, CN

Course: C/C++ Programming, Database Technology and Applications (MySQL)

RESEARCH EXPERIENCE/COURSE PROJECTS

Course Registration System

May 2019 - Aug 2019

- Designed login system, search system, add and drop system through **Angular** and **Spring**.
- Supposed basic functions to different users. With GUI interface, students could add classes and profs could manage courses. The info of courses was updated in **MySQL** at the same time.
- Organized **Restful API** to connect front-end and controller, **DAO** to connect back-end and DB.
- Set milestones and made plans in a team through **Agile**.

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 and enhanced the accuracy (up to 95%) and speed (decreased 2/3 training time).

Unix Shell and History Feature

Oct 2018 - Dec 2018

- Produced child processes and modified functions as a **shell interface** using C.
- Founded a history feature to record and inquire the commands before.

Visualization and Database Establishment of Sneakers

Feb 2013 - Jun 2013

- Established a simple GUI and database of selling sneakers through **MySQL**.
- Users could search, compare and buy sneakers easily with GUI interface.

WORKING EXPERIENCE

Yonyou Software Corporation

Mar 2017 - Apr 2017

Technical Support and Test Intern

Beijing, CN

- Targeted in technical support and reviewed codes.
- Initiated front-end platform and stimulated the operating conditions of customers in local server by importing and exporting specific database (helped more than 10 customers).

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL, HTML, CSS, Verilog

Frameworks & Tools: Angular, React, Spring, Git, IntelliJ, Eclipse, Jupyter, MATLAB, AWS