Zhen Qiao

Personal Website: https://qiaozhennn.github.io/

Email: zhenq3@uci.edu   Phone: (949) 239-4898   Address: Irvine, CA 92614

EDUCATION

- **Bachelor of Science**   Aug. 2013 ~ June 2017
  Harbin Institute of Technology, China
  GPA: 3.7/4.0
- **Master of Computer Science**   Sept. 2017 ~ Dec. 2018 (Expected)
  University of California, Irvine, CA

EXPERIENCE

- Company name: Advanced Intelligence Maintenance System (AIMS)
  Location: Hangzhou
  Title: R&D intern
  Time: Sept. 2016 – May 2017
  Project: Developed a Prognostics and Health Management (PHM) toolbox with Matlab

PROJECTS

- Developed a PHM toolbox with Matlab
  - Aiming to judge whether a bearing runs in a health condition by Industrial Big Data.
  - Implementing user interface with Matlab GUI
  - Implementing feature selection from multiple time domain features using Principal Component Analysis (PCA) with Matlab
  - Implementing the classification of health condition and unhealthy condition using Support Vector Machine (SVM), Self-organizing Map (SOM) and Gaussian Mixture Model (GMM) with Matlab
  - Implementing the drawing of a bearing's health degree curve using Logistic Regression (LR) with Matlab
- Developed an online shopping website
  - Implementing the background seller management system and foreground customer trading system using Spring + SpringMVC + Mybatis (SSM) framework with Java
  - Implementing a web service for user authentication using Apache CXF + Spring framework with Java
  - Implementing background seller management user interface using EasyUI with JavaScript and CSS
  - Implementing cache function using Redis
  - Implementing keyword search function using Apache Solr with Java
- Developed a crowd funding website
  - Implementing background management system including user register system, role-based access control (RBAC), business review using and user authentication review using SSM framework with Java
  - Implementing user authentication workflow function using Activiti5 with Java
  - Implementing user interface using Bootstrap3 framework with JavaScript and CSS
- Developed an online survey website using SSM framework
- Developed a simple online bookstore using basic Java Web techniques.

SKILLS

- Java, MySQL, JavaScript, CSS, HTML, Matlab, C
- Spring, Spring MVC, Mybatis, CXF, Solr, Activiti5 workflow, Redis, EhCache, BootStrap3, EasyUI
- Linux, Tomcat, Nginx, Maven, Git, Subversion, IntelliJ IDEA