

Yu Qiu

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EDUCATION

San Jose State University, San Jose, CA

01/2020 – 05/2022 (Expected)

M.S. in Software Engineering

GPA: 3.7 /4.0

Related Courses: Enterprise Distributed Systems, Enterprise Application Development, Database Systems, Machine Learning, Cloud Computing

University of Southern California, Los Angeles, CA

08/2018 - 12/2019

M.S. in Mechanical Engineering

Harbin Institute of Technology, Harbin, China

B.S. in Flight Vehicle Design and Engineering

08/2012 - 07/2016

EXPERIENCE

San Jose State University, San Jose, CA

03/2021 – present

Research Assistant

- Developed an AI test platform to score performance of different AI functions
- Built server side application to interact with AWS DynamoDB using Spring Boot
- Used HTML5, CSS3, Ajax toolkit and JavaScript to design the UI

Orbit Industries, Inc., Los Angeles, CA

04/2019 - 06/2019

Mechanical Engineer Internship

- Developed a program with VBA to raise efficiency in updating cross-reference data by 60%
- Designed heavy-duty wire hooks and drew 3D models with Solidworks
- Updated products information on the company website with HTML

SELECTED PROJECTS

House Trading and Rental Platform based on Java Spring Boot

09/2020 - 12/2020

- Used Agile/SCRUM as team project management methodology and deployed to AWS
- Created set of classes using DAO pattern to decouple the business logic and data
- Built front-end applications with HTML, Bootstrap, jQuery, and used Ajax to send HTML form requests to Spring REST API

Customer Feedback Collection System with MERN Stack

05/2020 - 08/2020

- Link: <https://salty-ridge-88052.herokuapp.com/>
- Independent developer, integrated Google Login, Stripe charge, and SendGrid emails API
- Designed front-end pages with React and Redux, built back-end services with Node.js
- Stored user and survey data in a distributed storage using MongoDB

TECHNICAL SKILLS

- C++, Java, Python (Numpy, Pandas, Matplotlib), PHP
- JavaScript(ES5/ES6), React, Redux, Node.js, AngularJS, Bootstrap, jQuery
- Databases: MySQL, MongoDB, DynamoDB
- Tools: Heroku, AWS(Amazon Web Services), Git