

# ZIHAO WANG

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## EDUCATION

### University of California, Irvine (UCI)

M.S., Computer Scientist, Major GPA 3.86/4.0

Irvine, CA

Anticipated: December 2021

### University of California, Los Angeles (UCLA)

B.S., Statistics, Major GPA 3.6/4.0

Los Angeles, CA

Graduated: March 2019

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL, C/C++, R

**Tools:** Git, Linux, MySQL, AWS, Maven, Postman, Jira

**Frameworks:** Spring Boot, Spring Cloud, Spring MVC, Spring, Mybatis, Redis, RocketMQ

**Core Course:** Algorithms, Data Structures, Operating Systems, Distributed Systems, Machine Learning, Deep Learning, Computer Networks, Computer Architecture, Algorithm Optimization.

## EXPERIENCE

### Brix Labs

Software Developer

Irvine, CA

January 2020 – August 2020

Haier Amazon seller platform

- Led team meetings with Haier's (Global 500 of Fortune) project managers, researched and demonstrated business solutions based on requirements, presented demos, and reached cooperation with Haier.
- Devised and developed web crawlers based on **Scrapy framework** using Python, collected more than 4000 products information every 20 minutes in one server for 7 consecutive days, with 37.8Mbps average download speed. Provided clear and structured data to data science team to predict ranking in product pages.

Air Zebra Oversea Purchase Application

- Supervised a team of 5 engineers across 2 locations and 2 time zones; demonstrated solutions to Air Zebra with **Django RESTful** and **React**, ran daily meetings for reporting progress and managed schedules with **Gitlabs**.
- Met 100% of deadlines and project goals and as a result received remaining payment from Air Zebra.
- Researched and constructed a 24/7 online **stable** and **high performance** story-specific questions **chatbot** using **Rasa framework** to address user queries, including greeting, checking/canceling order, checking shipping, etc.

### Data Application Lab

Data Analyst

Monterey Park, CA

July 2019 – September 2019

- Managed a team to research real-world applications in fields of data analyst/scientist. Based on research programs, created more than **40** projects with **Pandas**, **Numpy**, **Seaborn**, **Scikit-learn**, etc as data challenges.
- Directed junior data scientists and data analysts to practice data challenge and machine learning skills and helped around 50% students find data related jobs after bootcamp.

## PROJECT

### AlwaysWin Auction Platform

Course Project, Backend Java Developer

April 2021 – June 2021

- Built a robust, high-performance and **distributed** auction web application with an optimized algorithm to prevent auction sniping, which handles **highly-concurrent** requests with low-latency.
- Created a web application using **Spring Boot**, **Redis**, **Spring Cloud**, **RocketMQ**, **Mybatis**, **Mysql** and **VUE** within 10 weeks in a team of 3.
- Designed database schema setup **AWS RDS** and **S3**. Deployed back-end programs on **AWS EC2**.
- Implemented product catalog, wishlist, search, and account management modules using SpringBoot.
- Implemented 20+ **RESTful APIs** served data to Vue front-end and received data from it.