

Zhuoyue (Joey) Wang

2004 University Ave, Berkeley CA 94704 | (217)-979-3885 | zhuoyue_wang@berkeley.edu
https://www.linkedin.com/in/zhuoyuewang/ | http://wangzhuoyue.com/

EDUCATION

University of California, Berkeley

Master of Engineering in Electrical Engineering & Computer Science
Concentration in Data Science and System

Berkeley, CA
August 2019 – May 2020
GPA: 3.72/4.0

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

Minor in Computational Science and Engineering

University Honor, Dean's List, James Scholar, City Scholar, Data Science Certificate

Champaign, IL
August 2016 – May 2019
GPA: 3.91/4.0

WORK EXPERIENCE

Software Developer 2

Oracle

- Work under the In-Memory Database Technology team

July 2020 –
Redwood City, CA

Software Engineer Intern

Wayfair

- Created new search logic and UI feature for scene selection in Fast Lane Dashboard to support over 400 fast lane users to increase efficiency
- Completed the internal **server migration** to support Fast Lane to obtain accurate status on over 500,000 scenes

June 2019 – August 2019
Boston, MA

Software Engineer Intern

NextCapital

- Performed update and testing on internal gems and dependencies in Rail and Vault servers
- Built the functionality of find-persona-model and find-workplace-plan for internal testing on financial planning models

January 2019 – May 2019
Chicago, IL

Software Engineer Intern

Trustwave

- Designed the LogCollection and HashContent processors on the Apache MiNiFi framework
- Built out customer showcase dashboards in **Kibana** and **Elasticsearch** for compliance and PCI databases
- Integrated **Apache MiNiFi**, **Apache Kafka**, **Elasticsearch** and **Kibana** to provide real time streaming analytics on files

August 2018 – December 2018
Chicago, IL

Research Assistant

National Center for Supercomputing Applications

- Used a semi-supervising learning approach to create neural network models predict students' learning behaviors in a virtual study environment in **Keras** and **TensorFlow**

June 2018 – December 2018
Champaign, IL

PROJECT EXPERIENCE

Ticket+: Java Web Service Development – Event Search and Recommendation

- Developed an interactive web page for users to search events and purchase tickets (**HTML**, **CSS** and **JavaScript**)
- Improved personalized business recommendation based on search history and favorite records

Back End:

- Created **Java** servlets with **RESTful APIs** to handle **HTTP** requests and responses
- Built relational databases (**MySQL**) to capture real business data from Yelp and TicketMaster **API**
- Designed algorithms (e.g., content-based recommendation) to implement business recommendation
- Deployed server side to **Amazon EC2** to handle 150 queries per second tested by **Apache JMeter**

Front End:

- Designed an interactive web page utilizing **AJAX** technology (**HTML**, **CSS** and **JavaScript**)

Hermes: a Spring and Hibernate based Ordering system

- Built a web application based on Spring MVC to support item search and listing (dependency injection, inversion of control, REST API etc.)
- Used Spring Security to implement OAuth2 based authentication
- Utilized Hibernate to provide better support of database operations
- Developed a Spring Web Flow to support item ordering.

SKILLS

Programming Languages: Python, Java, React, C, C++, SQL, AJAX/HTML/CSS/JavaScript, Ruby, PHP, Shell, R

Tools: Apache Tomcat, MAMP, Eclipse, JUnit, JMeter, Android Studio, Postman, **MySQL**, Amazon EC2, Git, RESTful, **ElasticSearch**, Kibana, Apache MiNiFi, **Apache Kafka**, **Ruby on Rails**

Courses/Skills: data structures and algorithms; object oriented programming; system programming; Android App design; linear algebra, statistics and probability; database system; machine learning models; natural language processing; data mining