

# Kai Yu

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Age: 27 | Male | Hometown: Ningbo

2019 Freshman | Objective: Full stack engineer, machine learning engineer, front end engineer, data science



## SKILLS LIST

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- Web Development: PHP/Java/ Node/
- Web Framework: Django/Express/
- Front-end framework: Bootstrap/ React
- Database related: MySQL/SQLite
- Version Management, Documentation, and Automated Deployment Tools: Git
- Cloud and Open Platform: AWS/ Google Colab/ Digital Ocean
- Operating system: Based on linux/mac/ development

## PROFESSIONAL EXPERIENCE

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### Kiri Innovation

Jan 2019 -

Software Engineer (Part-time)

Toronto

The main product has a 3D scanner that can perform 3D scanning of objects through a computer or mobile phone camera

- For academic reasons, the project is currently in a remote mode of operation
- Responsible for building company servers, website front ends, back ends and databases.
- Develop 3D scanner software to improve the UI to improve the user experience.

### Ningbo Medical Center, Li Huili Hospital

Jun 2018 - Aug 2019

Internship , Information Department

Ningbo

- Database maintenance, query data, merge forms, etc.
- Technical support for software and hardware

## PROJECT EXPERIENCE

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### Quantum Review Study

Jan 2019 - 至今

Researcher

San Francisco

- The project is a research project in mathematics science and machine learning in schools and is currently conducted under the leadership of two tutors
- Use mathematical modeling and machine learning to find out the name entities (such as names, places, organizations) in news articles
- Put the sentence one by one to speculate that the attitude toward the entity in the news is positive or negative.
- Analysis of the New York Times's news articles from 1987 to 2007 (approximately 1.5 million articles), identifying names entities through multiple algorithms and comparing their differences with basic facts and analyzing them accordingly.

### Fight Maker web app

Aug 2018 - Dec 2018

Development and Design

San Francisco

- The project is a web application. This program helps users manage, view, post and search for games about mixed martial arts. As an organizer, users can easily post and modify existing game related information on the website, and the contestants will learn about the changes of the event information in the first time.
- This app supports registration and login using third-party apps. In addition, the function of user rights management is provided to facilitate application managers and event organizers to manage users (such as players and coaches).

### Distributed Ticketing System

Aug 2018 - Dec 2018

Developers

San Francisco

- Distributed ticketing system: The Restful ticketing system (<https://github.com/nvgruel123/replication.git>) supports basic new, read, update, delete and other operations. Have multiple copies to deal with system failures. Implement consensus algorithms and support multithreading.

## EDUCATION

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### San Francisco University

*Aug 2018 - May 2019*

*Master Computer Science*

*San Francisco*

- GPA: 3.74 / 4.0
- Coursework: Machine Learning, Distributed Software Develop, Blockchain, System Foundations

### St. Louis University

*Aug 2010 - Dec 2015*

*Bachelor Major: Computer Science; Minor: Mathematics*

*Saint Louis*