

# Yingyu Yang

Software Engineer

UC Irvine undergraduate that double major in Computer Science and Software Engineering. Specialize in web application development and UI/UX design. Seeking to help build innovative software and web applications.

## Education

- 2016 - 2020      **University of California, Irvine**  
B.S. in Computer Science and Software Engineering
- Overall GPA: 3.75
  - Has been on Dean's Honor List for 8 quarters.
  - Relevant Coursework: Information Retrieval, Project in Databases and Web Applications, Machine Learning, Human Computer Interaction.

## Experience

- 2017.9 – 2017.12      **Donald Bren School of Information and Computer Science, UCI**  
Lab Tutor
- Assisted students taking ICS 32 (Programming with Software Libraries) with their project problems.
  - Explained basic concepts of programming languages (i.e. recursion, class, duck typing) to students.
  - Received high marks in the end-of-term teaching evaluation.
- 2019.6 – present      **Donald Bren School of Information and Computer Science, UCI**  
Undergraduate Research Assistant
- Designed user interface for the Texera web application.
  - Implemented various functionalities (i.e. delete operators, copy and paste key bindings) using the Angular framework.
  - Tested frontend codebase and identified existing problems.

## Projects

- 2018.11      **UCI Search Engine**
- A campus-wide search engine that supports natural language search.
  - Scraped and parsed websites using BeautifulSoup and NLTK.
  - Implemented inverted index for full text search, and tf-idf for result prioritization.
- 2019.1      **Fabflix**
- A movie shopping website that supports user authentication, fuzzy search, autocomplete, pagination, and password encryption.
  - Created an Android app that implements the website's basic functionalities (i.e. user authentication, pagination).
  - Used AWS EC2, Apache 2 (as load balancer), Tomcat, and MySQL.
- 2019.3      **License Plate Recognition System**
- A program that recognizes characters on license plates from unprocessed images.
  - The learning model is built with convolutional neural network.

## Personal Information

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linkedin.com/in/yingyu-yang-90b766109

**GitHub**  
github.com/Mescetina

## Programming Languages

**Proficient:**  
Python, Java, TypeScript

**Intermediate:**  
C/C++, CSS, JavaScript

**Learning:**  
x86 Assembly

## Frameworks & Tools

**Proficient:**  
MySQL, Linux/Unix, AWS, Tomcat, Git

**Intermediate:**  
Angular, Apache 2, Maven

**Learning:**  
MongoDB

## Languages

Mandarin (native speaker), English (proficient), French (learning)