

# XINYI FENG

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🐙 [github.com/FentPams](https://github.com/FentPams)

## Education

### Northeastern University

*Master of Science in Computer Science—GPA: 4.0/4.0*

**Jan. 2022 – May. 2024(expected)**

*San Francisco, CA*

### New York University

*Master of Arts in Teaching and Learning—GPA: 3.83/4.0*

**Sept. 2017 – Dec. 2018**

*New York City, NY*

### University of Shanghai for Science and Technology

*Bachelor of Arts in English (Finance and Investment)—GPA: 3.53/4.0*

**Sept. 2013 – Jun. 2017**

*Shanghai, China*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Computer Networking
- Web Development
- Object-Oriented Design
- Computer Vision
- Mobile Development

## Technical Skills

**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL, R

**Developer Tools:** PyCharm, IntelliJ, CLion, Docker, MySQL, Firebase, Android Studio, RStudio, VS code

**Frameworks:** Django, Spring, Pytorch, Node.js, Thymeleaf, JUnit, Mockito, Hibernate, Struts

**Platforms:** Linux, macOS, Windows, Chrome, AWS, GCP, Azure, Jupyter Notebook

## Projects

### Yummy Food App ([Github](#)) | *Java, Android Studio, Firebase*

**Dec 2022**

Lead a team to build an Android application of food-themed social media to support pic&video sharing.

- Developed back-end to support Create, Read, Update, Delete pictures and videos.
- Integrated Firebase for the user authentication, data management and message notification.
- Introduced Spoonacular API to support recipe daily updates and filter features.
- Improved App performance and increased usability by implementing reusable Fragments.
- Created a beautiful and clean UI for the application with responsive and adaptive design.

### Where to live in San Francisco ([Github](#)) | *Python, Spark, Google Cloud Console, Jupyter Notebook*

**March 2022**

Built a web application for recommending idea living place based on machine learning model.

- Developed a web crawler using Python library Scrapy to obtain raw house sources from Craigslist and Zillow.
- Utilized Google Distance Matrix API to calculate distance, commute time and cost of public transports.
- Trained Matrix factorization based model using fetched data crime data, house prices, transport information.
- Scheduled a recurring Python crawler script on Google Cloud for daily data update by Cron job service.
- Presented the Mapbox-based map with customized houses lists using Folium Library and leaflet.js.

## Experience

### Hao Lang Education

**Oct 2019 – Jan 2022**

*Co-Founder & CTO*

*Shanghai, China*

Led a developer team to launch a company-scoped website for recording students' academic performance in Java.

- Designed back-end modules including searching, posting, reviewing, replying and evaluating their daily study report.
- Established the database in MySQL and automatically backup the database to Alibaba Object Storage Service.
- Utilized Tableau to visualize students' data and helped the teacher to make teaching plans.
- Wrote Automation tests in JUnit5 and Mockito and reached code coverage of 99%.

### TongJi University

**March – Aug 2021**

*Visiting Scholar & Co-Editor*

*Shanghai, China*

Co-editing textbook: 21st Century College English for STEM Students.

- Collaborated with other scholars in the Foreign language school, Applied linguistic department to draft the textbook
- Searched, evaluated and collected tech-related texts using pagerank algorithm.
- Designed a script to auto-check language errors in textbook.