

# Feng Jiang

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## EDUCATION

**University of Southern California, Viterbi School of Engineering** Aug 2020 - May 2022  
**Master of Computer Science, CS Honor Program**, GPA: 3.94/4.0 Los Angeles, CA  
**Relevant Coursework:** Web Technology, Algorithm Analysis, Operating Systems, Foundations of Artificial Intelligence

**Jiangnan University, Digital Media School** Sep 2016 - June 2020  
Bachelor of Digital Media Technology, graduating with honors, GPA: 3.79 /4.0 Wuxi, China  
**Honors:** National Scholarship 2018 (0.2%), First-Class Academic Scholarship 2018, 2019 (5%)

## SKILLS

- Languages: Swift, JAVA, JavaScript, Python, C++
- Web Technologies: Node.js, Express.js, Vue.js, Flask, Angular, Bootstrap, Ajax, GCP
- Frameworks and Tools: SwiftUI, Git, Maven

## WORK

**Software Engineer Intern**, Information Security Department Jul 2019 - Aug 2019  
*JD.com, Inc.* Beijing, China

- Established a visualization system using ECharts to display internal API's calling count
- Established a notification system in **Java** to alert a large number of API's calling and send weekly summary by email. Alerted around 80 times per week. Improved the overall online security of the department,
- Rewrote department's internal websites using **Vue.js**. Improved the performance and appearance of these websites
- Created lots of Vue.js template components. Saved 1/3 future time for website development.

**Teaching Assistant** for two classes of graduate students Aug 2021 – May 2022  
*University of Southern California* Los Angeles, CA

**Content for the class of Web Technology:** HTML, CSS, JS, Bootstrap, Web Server, Node, Angular, Flask, iOS app

**Content for the class of Algorithm Analysis:** Stable Matching, Greedy, Divide and Conquer, Dynamic Program, Network Flow, NP-completeness

**Responsibilities:** Hold discussion lectures and office hours for students. Create homework problems and exam inputs

## PROJECTS

**Split Bills easily** | Swift, SwiftUI, Core Data | Independent development Jan 2022 - Feb 2022

A handy tool for split bills with friends available on App Store, compatible with iPhone and iPad

- Developed in **Swift, SwiftUI, Core Data** without third-party frameworks, making it super-fast and small
- Designed simple, elegant, user-friendly **UI/UX**
- Scan left QR code to download it and try it now



**Go Connect Mini Program** | JavaScript, HTML5, CSS, Less | Independent development Dec 2021 - Jan 2022

A WeChat Mini Program for a start-up in UChicago, showing campus activities.

- Developed front-end and login function using **WeChat native framework** (like Vue) and WeChat Cloud Function
- Stored information in **WeChat Cloud Database**
- Scan left graph in WeChat app and try it now



**Weather Search Website and iOS App** | Angular, Bootstrap, SwiftUI, Node.js, GCP | Course Work Oct 2021 - Dec 2021

A responsive and cross-platform app that can search future weather for any location and provides great charts and maps.

- Developed front-end using Bootstrap, **Angular**, and HighCharts, with API from Google Map and IPInfo.io
- Developed iOS App using Swift and **SwiftUI**
- Developed back-end Restful API using **Node.js**, with API from Tomorrow.io and deployed on **Google Cloud Platform**

**Operating system kernel** | C, Linux | Group Course Work Jan 2021 - May 2021

A Unix-like toy OS written in C on Ubuntu, including the following modules:

- **Process and thread module**, allowing the root process to hold and kill multiple sub-processes and threads
- **Virtual File System Module**, allowing the OS to read and write data from extended disk
- **Virtual memory module**, allowing the OS to run programs that require more memory than the actual memory size