

# FAN YANG

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## WORK EXPERIENCE

### Meta Platform

2019 - Current

*Software Engineer – Meta Business Suite Inbox, Ads that Click to WhatsApp*

*Menlo Park, CA*

- Designed and built a new unified inbox client with modern Relay and Redux architecture. Significantly improved development efficiency and code maintainability, reducing user broken experience rate by 60% and JS size by 72%.
- Migrated business users to the new surface with minimum-friction redirection experience, increased active messaging businesses on the platform by 13% and top-line metric by 7%.
- Led the technical design, development, and experimentation of the inbox automation platform that supports custom IFTTT automation creation for business admins, increasing user engagement rate by 30%.
- Established organization wide experiment review process and improved experiment tracking and monitoring through dashboards and internal tools. Created and maintained half-long holdouts to measure long-term project impact.

### Facebook

2019

*Software Engineer Intern – Messenger Business Infra team*

*Menlo Park, CA*

- Built the front-end UI and back-end service for Messenger QR code using React.js, Hack, and PHP.

### Seeyoo Electronics

2018

*Software Engineer Intern*

*Shanghai, China*

- Worked with Linksome Coffee team to build the Linksome Coffee App using vanilla JavaScript and Java Spring.
- Designed and implemented in-app coffee purchase system to allow users to pay via WeChat Pay or Linksome Wallet where users can collect stars from purchase and redeem for free drinks.

### Texas Advanced Computing Center

2018

*Undergraduate Research Assistant*

*Austin, TX*

- Built interactive user interface in JavaScript for collecting user-corrected traffic object annotation data which enabled pedestrian and vehicle speed detection.
- Developed a web application in Scala with Play Framework to process user annotations in real time and improved object recognition models with deep learning using the collected data.

## EDUCATION

### University of Texas at Austin

Aug 2016 – Dec 2019

*Bachelor of Science in Computer Science, Minor in Business*

*GPA 3.92, University Honors*

## PROJECTS

### Reverse Image Search

2018

- Coded visual image search methods using k-means clustering and bag-of-words to retrieve relevant images for a query image containing objects of interest.
- Performed spatial verification via affine alignment with RANSAC, improving performance of relevant image search by 42%. Programmed a stop list to ignore very common words and applied tf-idf weighting to the bag-of-words, increasing overall matching rate by 23%.

### Human Resource Management System

2017

- Led a team of three to design conceptual models and build an Oracle APEX web application that provides HR functions such as storing employee data, recruitment processes, and attendance records.
- Implemented drill-down charts and master detail report features.

## TECHNICAL STRENGTHS

Proficient	Python, Java, JavaScript, Hack, React.js
Familiar	C++, C, MySQL, PHP, MATLAB