

FAN YANG

Mountain View, California

(713)330-6590 | fanyang2020@utexas.edu | LinkedIn: linkedin.com/in/fanyang19

WORK EXPERIENCE

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| Meta Platform | 2019 - Current |
| <i>Software Engineer – Meta Business Suite Inbox, Ads that Click to WhatsApp</i>
Menlo Park, CA | |
| <ul style="list-style-type: none">○ Designed and built a new unified inbox client with modern Relay and Redux architecture. Significantly improved development efficiency and code maintainability, reducing 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 topline metric by 7%.○ Led the technical design, development, and experimentation of the inbox automation platform that supports custom IFTTT automation creation for businesses, increasing the engagement rate by 30%.○ Established org-wide experiment review process and improved active experiment tracking and monitoring through dashboards and internal tools. Created and maintained half-long holdouts to measure long-term project impact. | |
| Facebook | 2019 |
| <i>Software Engineer Intern – Messenger Business Infra team</i>
Menlo Park, CA | |
| <ul style="list-style-type: none">○ Built the front-end UI and back-end service for Messenger QR code using React.js, Hack, and PHP. | |
| Seeyoo Electronics | 2018 |
| <i>Software Engineer Intern</i>
Shanghai, China | |
| <ul style="list-style-type: none">○ Worked with Linksome Coffee team to build the Linksome Coffee App in vanilla JavaScript and Java.○ 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 |
| <i>Undergraduate Research Assistant</i>
Austin, TX | |
| <ul style="list-style-type: none">○ 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 collected data. | |

EDUCATION

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| University of Texas at Austin | Aug 2016 – Dec 2019 |
| <i>Bachelor of Science in Computer Science, Minor in Business</i> | <i>GPA 3.92, University Honors</i> |

PROJECTS

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| Reverse Image Search | 2018 |
| <ul style="list-style-type: none">○ 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 bag-of-words, increasing overall matching rate by 23%. | |
| Human Resource Management System | 2017 |
| <ul style="list-style-type: none">○ 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

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