

Jiatu Liu



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Experience

Software Engineer at Opendoor

05/2017 – Present

- Currently working on a 3-person “tiger team” to implement new tools and processes for Opendoor operators to streamline their workflow and increase the scalability of the business.
- Implemented the latest version of the Valuation Tool, which is used by Opendoor operators to determine the fair market price of homes the company intends to acquire. The new tool included new features (ability to copy previous adjustments, surfacing more data within the tool, etc.) that significantly improved operator efficiency.
- Implemented new components in the automated offer workflow, which boosted the overall automated offer coverage to 30%.

Software Engineer at Twitter

05/2015 – 05/2017

- Designed and implemented a system that automatically registered new Twitter Audience Platform (TAP) advertisers in the classic TellApart stack. The registration process used to be manual and took 2 hours/day.
- Designed and implemented the identity sync system that synced Twitter user identity information with ad networks (for example, DoubleClick, AppNexus), which doubled the user reach for TAP.
- Designed and implemented key parts of the real-time user data pipeline for TAP, which transferred terabytes of user page view/product view/purchase data from advertisers' websites to Twitter systems every day.

Software Engineer at TellApart

09/2014 – 05/2015

- Migrated creative serving logic from Python to Java, which eliminated the stale creatives issue that had been around for months.
- Designed and implemented a system to automatically set bid price on the Facebook Dynamic Product Ads network. Engineers no longer had to spend at least 5 hours per week to manually change prices.

Education

University of Michigan – Ann Arbor

08/2011-05/2014

- Bachelor of Science - Engineering (B.S.E), Computer Science, GPA: 3.918/4.000
- Graduated with Honor: Summa Cum Laude
- Honor Societies: Eta Kappa Nu (HKN), Tau Beta Pi (TBP)

Programming Languages

Java, Javascript, Python, Scala, C++, C, Ruby

Tools and Skills

Lambda Architecture, Kafka, Heron, Scalding, Apache Aurora, MySQL, Memcache, Docker, Thrift, AngularJS, Ruby on Rails, Distributed Systems