

Yan Wu, Software Engineer

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EXPERIENCE	Tank Exchange, Co-Founder & Senior Software Engineer https://tankwallet.com 2015-11-25 — Present
	<ul style="list-style-type: none">As one of the founding team members, design and build multiple backend services from scratch and support fast iterations of our product.Set up the DevOps tools for the team: Dockerize every service for the ease of local development, testing and deploy; set up CI system to automatically rolling out changes; Heavily use AWS ecosystem for load balancer, logging, monitoring, alerting etc.Build RESTful API service for our main product TankWallet to support authentication, search(keywords&geo), payment and data CRUD. (Python, lask, mysql)Build CRUD API service for our trading app using GraphQL. Implement a trading client using FIX protocol. (golang, GraphQL, FIX)Build an exchange service with order matching engine which is fault tolerant with replay feature. Build logging pipelines with JSON format logs, so we can easily derive metrics and alerts.(C++, FIX, dynamoDB)Build a MarketMaker service to match orders in our exchange in order to cold-start our product. (C++)
	Facebook(Newsfeed Ranking Team), Software Engineer 2013-10-07 — 2015-11-24
	<ul style="list-style-type: none">Full stack work: newsfeed ranking system with C++(60%), PHP/HACK web service(20%) and Android client app(10%)Build workflow to automatically select best features for newsfeed ranking model, which greatly simplifies the feature selection process and increase the frequency of model update and model freshness. (C++, Python, HACK, Hive)Build rsvp prediction model for event stories in newsfeed, which increased 50% of the number of people joining events in newsfeed overtime and contributed a big part to hit the milestone of 450M people using Facebook Events[bit.ly/event450m]. (C++, HACK, Python, Hive)Build live comments and live likes features for newsfeed, which drive up the newsfeed experience and engagement.(Android)Build horizontal scrolling feature in newsfeed which requires end-to-end work. Move the project forward with PM, designer and other android developers. (Android, C++)
	Baidu Inc, Software Engineer Intern (Ads Ranking) 2012-07-01 — 2012-09-01
	<ul style="list-style-type: none">Explore user targeting and interest targeting features for ads CTR prediction model. Leverage social media, like Weibo(Tweet-like service), to do user profiling by topic models, like LDA.
	YuanJiang Inc., Software Engineer 2009-10-01 — 2010-04-01
	<ul style="list-style-type: none">Develop full text extraction system and duplicate document detection system. Build web service using Django (C++, Python)
PUBLICATIONS	Learning Hash Codes for Efficient Content Reuse Detection, SIGIR 2012
	Efficient Near-Duplicate Detection for QA Forum, IJCNLP 2011
	Selecting Expansion Terms as a Set Via Integer Linear Programming, CIKM 2012
EDUCATION	Fudan University Master - Information Retrieval, Data Mining, Machine Learning 2010-09-01 — 2013-07-01
	Shanghai Jiao Tong University Bachelor - Computer Science 2006-09-01 — 2013-06-30
SKILLS	Backend Development (Proficient): Python, Golang, C++, Java, PHP/HACK, Thrift, Flask, Django, GraphQL Web Frontend Development (Small project): HTML, CSS, Javascript Android Development (3 month of prior experience): Android