
Yifan Li

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PROFESSIONAL EXPERIENCE

- Uber Inc., San Francisco, California Jun. 2019- Current
Senior Software Engineer
- ◆ Led team on design, milestones formation, implementation, monitoring and provided runbook for Demand Heatmap feature, launched domestically within 3 months of joining Uber to 63 cities, scaled to globally to a total of 152 cities, with 23 cities shadowing, showing stats sig results across key results
 - ◆ Utilized Autotune (Bayesian optimization service) for back-testing on selected params to generate best demand heatmap that has the highest F1 classification score to 53%: ATR compared to ETR
 - ◆ Led team on Go Mono Repo, Portability and Uber FX migration on time, doubled developer efficiency and made infra more scalable
 - ◆ Improved SLA of Heatmap Serving service by caching of Redis on top of C*, improved P99 by 235ms or 38%, P95 of 186ms or 55%, P50 of 6.94ms or 13%, pretty close to headroom analysis of 211ms on P99
- PayPal Inc., San Jose, California Oct. 2014-Sep. 2018
Senior Software Engineer in Ads Platform
- ◆ Designed and developed streaming service to serve Google Ads using Spark Streaming, migrated APAC Ads traffic to in-house service which saved company \$40 million subscription fee annually. Conducted full E2E load and performance testing before serving the real traffic.
- Software Engineer in Payments Platform
- ◆ Built Next Generation Payment Platform, utilized Sprint + Java on online world
- Chugach Alaska Corp., Silver Spring, Maryland Sep. 2013-Jun. 2014
Java Developer in NOAA platform
- ◆ Participated in the redesign of the database schemas for NWS-BMH project(38 tables)
 - ◆ Improved core Java classes to make the server logic more efficient(one instance from $O(N^2)$ to $O(N)$)
 - ◆ Injected weather station data to database utilizing Hibernate and Spring

EDUCATION

- Columbia University**, New York, NY
M.S. in Computer Science Feb. 2013
Relevant Coursework: Analysis of Algorithms in Java, Operating System, Database System
Unix Command, Programming Language and Translator
Advanced Software Engineering, Database implementation, Mobile HCI
- Beijing University of Posts and Telecommunications(BUPT)**, Beijing, China
B.S. in Telecommunication Engineering and Management with 1st class Honor Jun. 2011
Relevant Coursework: Programming Fundamentals in C, Object Oriented Design in Java, Internet Protocol

TECHNICAL SKILLS

- Programming: Golang, Java, Python, C, Ruby, R, PHP, HTML/CSS, SQL
Tools: Eclipse, Git, Maven, PostgreSQL, Rails, Phabricator, Jenkins
Operating Systems: Linux(RedHat), Windows, Mac OS X