Qingle Yao

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Education:

University of Southern California, Los Angeles, CA   Aug 2015 - May 2017
- Master's Degree of Science, Computer Science | GPA: 4.0/4.0

Zhejiang University of Technology, China   Sep 2010 - Jun 2014
- Bachelor of Engineering, Computer Science + Automation | GPA: 3.8/4.0

Working Experience:

Snap Inc., Venice, CA   May 2017 - March 2018
Software Engineer
- Improved company-widely used Android SDK of client events collection on Snapchat app, implemented persistence strategy on client devices and bias towards critical events, largely reduced the missing and duplicate rate of Android client events
- Implemented events validation library on Android UI automation tests, validated the quantities and properties of events of each UI test and prevented event-related bugs from being merged
- Improved the service of collecting client events, implemented server-level data persistence by migrating the service from Google App Engine to Google Compute Engine with disks, reduced the negative effects from the server's dependencies and reduced server-level data loss to almost 0
- Monitored on data quality both in real-time and on a daily basis to ensure the health of collected events, utilized third-party visualization tools (Grafana, Looker, etc.) as well as building alarming library to discover bugs, developed investigation skills on huge-amount and multi-dimension data

Amazon, Seattle, WA   Jun 2016 - Aug 2016
Software Engineer Intern
- Created advertisement slots for Amazon in its home page, detail page, thank-you page, etc., which in total attracts more than one billion views on these slots and millions of clicks annually
- Embedded JavaScript code in Amazon's frontend advertisement slots, collected valuable users' behaviors and created graphs to describe the data (the view time, number of clicks, etc.) on each slot, which are of significant meaning to Amazon's market team

Eve by Eve's, Alhambra, CA   Dec 2015 - May 2016, Feb 2017 - May 2017
Part-time Software Engineer Intern
- Built an E-Commerce website (www.evestemptation.com) based on Magento framework, optimized its load time and user experience and implemented localization in China
- Programmed a web-based inventory management system, helped inventory the qualities and categories of all products, eliminated most manual errors during packing and shipping
- Deprecated the frontend-backend-coupled Magento framework, rewrote all backend services with nodeJS/MongoDB/Redis, simplified client (web/mobile) engineers' work and speeded up response time by more than 50%
- Further decoupled backend services into multiple microservices or cloud functions, increased the whole system's error-tolerance and made deployment of each service more flexible

BEST Logistics Technology (China) Co., Ltd, Hangzhou, China   Jan 2015 - Jul 2015
Software Engineer (.NET)
- Routed customers' requests on WECHAT into different categories and designed algorithm to offer smart responses to these requests using RegEx etc., which cut down the expenditures on custom service and is still used by many customers
- Implemented and maintained the database and backend of OA (Office Automation) system with MVC framework for all employees (more than 30,000) to do the work flow, reduced the amount of paperwork and manual operations and increased the efficiency significantly