JASON YAO

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EDUCATION

New York University
College of Arts & Science
BA in Computer Science (CS)
Grad. May 2017

SKILLS

Programming

Programming Languages
Java, Python, C, JavaScript, Bash

Big Data Tools
(Py)Spark + Yarn, AWS EMR

Frameworks
Spring/SpringBoot, Django, NodeJS, Express

Databases
SQL: PostgreSQL, MySQL
noSQL: MongoDB

Tools
git, vim, kubernetes, docker, npm, travisCI, AWS-cli, LaTeX, droneCD

General

Languages (Native Fluency)
English, Mandarin

Miscellaneous
I know how to learn, use Google, sing badly in the shower, and read Stack Overflow.

ACTIVITIES

Techwatch@MediaMath
Phi Kappa Sigma Fraternity
Tech@NYU

03.26.2020

EXPERIENCE

Squarespace — New York, NY (2 years,)

Software Engineer III — Mar. 2018 – Present
- Software Engineer III on the **Domain Name Registrar** (DNR) team
- **Turned Squarespace, Inc. into a DNR,** enabling the ability to directly register, manage, and retrieve information about domains without 3rd parties
- Reduced company reliance on 3rd party vendors by building out registrar functionality in-house, projected to **lower costs on average by 20%,** and **increase reliability and uptime** for all domain actions
- First engineer on new team, building out a **Java SpringBoot-based microservice** wired into the monolith via Consul
- Wrote everything as part of the team from the underlying TLS/EPP layer to **business features such as availability checks and domain registrations**
- Wired up deep observability metrics via Prometheus/Graphana, **providing useful technical and business dashboards and alerts**

MediaMath — New York, NY (8 months)

Software Engineer II — Oct. 2017 – Mar. 2018
- **Tech Lead** for a company-critical ETL service that **generated all fee data used by thousands of advertising bidders world-wide**
- **Reduced client friction by over 90%,** and increased company's potential revenue substantially by enabling individual feature pricing
- **Increased team developer velocity by >300%** (based on story point completions before/after) by creating a command-line API interacting with service subsystems
- Continued assuming SDE II responsibilities, increasing team cohesion, technical ability, and positive feedback loop implementations
- Significantly increased visibility and insight into the service by building out monitoring and resiliency layers

Software Engineer I — Jul. 2017 – Oct. 2017
- Designed & built out mission-critical internal financial platforms depended upon by the core of the company (responsible for over 70% of company revenue)
- Took on responsibilities of an SDE II early on, contributing to increasing team cohesion, technical ability, and the implementation of positive feedback loops for the team

Ivy Tech Capital — Beijing, China (2 months)

Software Engineer Intern — Jun. 2016 – Aug. 2016
- Created presentable **fantasy sports web service** MVP to incubator investors, winning an award for "Best Potential for Unicorn" by judging panel.
- Built with Python 3, Django, MySQL, nginx, and AWS