

# 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, L<sup>A</sup>T<sub>E</sub>X, 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

03.16.2020

## 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