

# Will Wang

## EXPERIENCE

### Stripe, Software Engineer

June 2020 - Present, Banking Integrations Team

- Worked on the development of critical platform components and bank integrations that process billions of USD every month
- Design and development of submission scheduler, a critical platform service responsible for scheduling millions of bank transactions into submissions every day, as well as managing the submission life cycles
- Design and development of the coordinator service, responsible for managing and coordinating the sync and async operations of over a dozen bank integrations
- Leading Stripe's recent efforts in instant bank transfers: building a Real Time Payment integration and launching RTP instant payouts to millions of users. Efforts estimated to capture 1B+ of volume and millions of revenue & profit

### Google, Software Engineering Intern

May 2019 - August 2019, Kubernetes Storage Team

- Open source project on improving the performance of the storage stack to support large multi-thousand node clusters
- Parallelized and ensured idempotency in GCP Container Storage Interface Persistent Disk Driver gRPC operations
- Mitigated known scaling bottlenecks, and scale test both in-tree and CSI storage plugins at up to 10k nodes

## RESEARCH

UC Berkeley Network Systems Lab (2017-2020)

Advisor: Scott Shenker

### Resource Allocation Optimization in Distributed Systems

- Automated stressing and testing of black box microservices to determine under and over provisioned resources
- Bin packing services on hosts to optimize resource usage and minimize compute cost

### Infrastructure Level Data Lineage & Policy

- Tagging data with privacy labels and lineage as the data flows through a micro service architecture, and automated enforcement of data policies at the infra level based on tagged labels

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## EDUCATION

### UC Berkeley

Magna Cum Lade

Tech GPA: 3.94

- B.S. Electrical Engineering and Computer Science
- M.S. Computer Science

### Thesis/Focus

Distributed computing and data lineage

### Courses Taught

Operating Systems

Networking

Data Structures

## SKILLS

### Experienced languages

Java, Python, Ruby, Go, Javascript, C

### Technologies

AWS, GCP, Kubernetes, Docker, Git, SQL, ReactJS

## PERSONAL PROJECTS

### berkeleytime.com

Lead developer. Course scheduling website used by over 25k unique UC Berkeley students every semester.

### medium.com/@hwang97

"Demystifying Containers 101" (3.7K applause)

"How Microservices Saved the Internet" (2.2K applause)