

# Tiffany Han

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## WORK EXPERIENCE

### **CARTA | ENGINEER => PYTHON, DJANGO**

January 2022 - present | San Francisco

- Tech lead for background check integration to reduce fraud and meet industry compliance standards- technical design, planning, working with product managers, shepherding release, monitoring, and maintenance of code.
- Worked with a team of engineers to build an in-app messaging center for company execs to communicate with their stakeholders. Wrote the code from scratch and shipped to customers well within one quarter.
- Reduced tech debt by deprecating and removing the longest-running feature flag in Carta's dev history, while also saving the company 200K per year in subscription integration fees.
- Improvements to production data quality and integrity integral to Carta's core business value.

### **PARABOL | SENIOR BACKEND ENGINEER => NODE.JS, TYPESCRIPT**

Jun 2020 - Jan 2022 | Remote

- Led our DB migration from RethinkDB to PostgreSQL with zero downtime in production.
- Single-handedly implemented an in-house video integration prototype using low level API provided by mediasoup SFU library.
- Helped us reach industry standard security compliance by automating backups, encrypting production data at rest, protecting staging and development environments, etc.
- Increased system observability by adding server side source maps.

### **LYTE | BACKEND ENGINEER => PYTHON, DJANGO**

Apr 2018 - Mar 2020 | San Francisco, CA

- Lead Engineer for external integrations which generated \$13M+ in revenue in 2019.
- Migrated our fulfillment monolith over to modular microservices, making our entire fulfillment system easier to debug, extend, and reason about.
- Rewrote our data modeling and app logic to calculate prices, which allowed us to display line item receipts based on dynamic fee structures.
- Implemented otherwise blocking tasks as async background jobs, using our Celery servers and Redis messaging broker.
- Added Magic Link (password-less) authentication, which increased conversion rates and is now the default path to authenticate for all users.

### **PREFIXY | CO-CREATOR => NODE.JS, REDIS**

Jun 2017 - Apr 2018 | Remote

- Built a highly scalable, query optimized hosted prefix search service for building autocomplete suggestions.

### **DAILY BRUIN | PYTHON ENGINEER => PYTHON, DJANGO**

Oct 2016 - Jun 2017 | Los Angeles, CA

- Worked on bruinwalk.com, a data-driven reviews site widely used amongst UCLA students.

### **UDACITY | SESSION FACILITATOR => PYTHON, JAVASCRIPT**

2015 - 2016 | Santa Monica, CA

- Facilitated in-person sessions where Udacity students in LA learnt about various web technologies together.

## SUMMARY

Backend server engineer with 5+ years of professional experience within high-growth startups, from seed stage to pre-IPO companies. Works best in highly collaborative team settings. Comfortable taking end-to-end ownership of projects. Proponent of agile methodologies.

## ACHIEVEMENTS

### **SPEAKING**

Spoke at SFNode, 42 Silicon Valley, and Berkeley Javascript Dojo.

### **WRITING**

Author of various technical articles, including "Building Prefixy" and "How We Built Prefixy".

## SKILLS

### **LANGUAGES**

Python • SQL • Node.js • Typescript • Ruby

### **FRAMEWORKS**

Django • GraphQL • Express • Rails

### **DATA STORES**

PostgreSQL • Redis • MongoDB

### **ETC**

grpc • git • ssh • unix • vim • vscode

### **PLATFORM**

K8s • Docker • AWS • GCP

## EDUCATION

### **UCLA**

#### **BA PHILOSOPHY**

Los Angeles, CA

Summa cum laude • GPA: 3.96

Studied analytic philosophy with an emphasis on Philosophy of Language, while spending nights and weekends on writing various programs in Python and Ruby.