Tiffany Han

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tiffanyhan.github.io | LinkedIn | GitHub

EXPERIENCE

LYTE | Software Engineer II
2018-present | San Francisco, CA

- Lead Engineer for external integrations which generated $13M+ in revenue in 2018.
- Migrated our fulfillment monolith over to modular microservices, making our entire fulfillment system easier to debug, extend, and reason about.
- Completely overhauled our pricing architecture and database schema, which allowed us to programmatically calculate complex price breakdowns based on dynamic fee structures.
- Utilized our Celery servers and Redis messaging broker to implement otherwise blocking tasks as async background jobs.
- Implemented Magic Link authentication (a la Slack), which increased conversion rates and is now the default path to authenticate for all users.
- Debugged everything from application code and performance issues, to race conditions between distinct processes, to server breakdowns, to unexpected system integration problems that occurred between multiple nodes.

PREFIXY | Software Engineer
2017 | Remote

- Prefixy is a highly scalable, query optimized hosted prefix search service for building autocomplete suggestions.
  - Conducted a thorough data structures and algorithms analysis to return suggestions from memory in O(1) time.
  - Utilized asynchronous, batched Redis calls in order to provide non-blocking writes.
  - Implemented multi-tenancy by utilizing JSON web tokens, Redis namespacing, and MongoDB collections.
  - Designed and implemented the system architecture which includes two Node/Express servers, Redis, MongoDB, a CLI, and a JavaScript client.
  - Presented a talk about how we built Prefixy, entitled "Building Prefix Search As A Service", at various Bay Area tech meet ups.

DAILY BRUIN | Full-Stack Web Developer
2016 - 2017 | Los Angeles, CA

- Contributed to the codebase for bruinwalk.com, a data-driven reviews site widely used amongst UCLA students.
  - Wrote the models and views for a new textbooks feature.

UDACITY | Session Lead & Team Guide
2015 - 2016 | Santa Monica, CA

- Led and facilitated weekly in-person sessions where Udacity students in the greater Los Angeles area met to learn about various web technologies together.
- Graded and provided thoughtful code reviews of student projects, providing actionable feedback on how students can improve their code.

SKILLS

LANGUAGES
Python • Ruby • Node.js • SQL • HTML • CSS

FRAMEWORKS
Django • Rails • Express • React • Redux

DATA STORES
PostgreSQL • Redis • MongoDB

ETC.
HTTP • REST • Git and GitHub • ssh • Unix shell • Heroku • AWS

EDUCATION

UCLA | BA Philosophy
2015 - 2017 | Los Angeles, CA • Summa cum laude. GPA: 3.96
Studied analytic philosophy with an emphasis on Philosophy of Language, while devoting my time on the side to writing various programs in Python and Ruby.