Eric Lin

+1 (858) 354 - 8792 / ejlin1996@gmail.com / linkedin/ejlin18 / github/ejlin

EXPERIENCE

Cruise   *San Francisco, CA*

Software Engineer | Infrastructure   Dec 2018 - *Present*

- Member of team responsible for job scheduler platform running millions of AV simulations per day by farming work out to thousands of workers (VM Instances).
- Led, designed, and delivered a custom Quotas scheduling system, allowing users to avoid resource contention amongst the entire company, speeding up critical jobs turnaround time by 1.5x and improving customer satisfaction by 22%.
- Implemented tiered workers - intelligently spinning up vm instances according to estimated need based off of historical results, resulting in savings of 30k/mo.
- Designed and created a custom estimation service responsible for generating estimates of simulation runtimes; estimates were accurate within +/- 18% across millions of tasks and allowed for completion goal based scheduling, resulting in 15% improved customer satisfaction.
- Responsible for the transfer and cleanup of over 30Pb of existing data resulting in over 100k/mo. savings and cleanup of over 1Pb of additional data per day resulting in over 15k/mo. savings.

UCSD Computer Science Department   *La Jolla, CA*

Head Tutor   Jan 2018 - Jun 2018

- Tutored hundreds of CS students in open lab hours, focusing on algorithms, data structures, and programming assignments.
- Led discussion sessions, created slides, planned lectures, and graded assignments and exams.

PROJECTS

ReiMe   Dec 2020 - *Present*

- Built a Real Estate Web Application for landlords to track properties and management, including adding property expenses, uploading/downloading relevant files, analytics dashboard, property estimated valuations, etc.
- Implemented a RESTful API built in Golang and a React frontend with a PostgreSQL store (CloudSQL - GCP).

SKILLS & TECHNOLOGIES

Languages: Golang / Java / JavaScript / Python / SQL / HTML / CSS

Tools & Miscellaneous: GCP (Compute Engine, CloudSQL, Spanner, PubSub, BigQuery, etc.) / Kubernetes / Terraform / Looker / React / Vault / S3

EDUCATION

University of California, San Diego   *La Jolla, CA*

B.S. in Computer Science | *Business Minor*   Oct 2014 - Jun 2018