Ellen Huang

🌐 ellenhuang.dev
👤 github.com/jlight99
in linkedin.com/in/ellenhuang
✉ ellenhuang523@gmail.com

Skills

Languages: Java, Go, Python, JavaScript, Bash, SQL
Frameworks & Tools: React, gRPC/Protobuf, Angular, GraphQL, MongoDB, Docker

Work Experience

Gem (YC '17) – Software Engineer Intern   May 2020 – present
Python, React, GraphQL, PostgreSQL

- Built landing page (gem.com/startups) and signup flow to enable launch of Free for Startups program; worked cross-functionally with product/sales to finalize the design and flow; successfully registered over 100 startups.
- Improved accuracy of race/ethnicity tracking by syncing with partner applicant tracking system data.
- Introduced candidate work and education experience editing feature; parsed resumes to backfill >200K records.

TextNow – Backend Developer Intern   Sept. 2019 – Dec. 2019
Go, gRPC/Protobuf

- Implemented phone number verification microservice to concurrently test SMS/calling functionality; reduced verification time per number from 1 day to <10s and verified >125K numbers in production.
  - Increased testing throughput by leveraging database connection pooling and API request queuing.
  - Maintained thread and data consistency by utilizing buffered channels and mutexes.
- Fortified spam detection by writing parser to identify URLs in texts; built cache to store ID of suspicious users.

SAP – Full Stack Developer Intern   Jan. 2019 – Apr. 2019
Java, Angular, Docker

- Developed autoscaling feature for the Commerce Cloud Portal and automated application deployment engine.
- Prototyped and demoed a Go/gRPC ecommerce delivery web app and promoted the adoption of gRPC at SAP.

Dematic – Full Stack Developer Intern   May 2018 – Aug. 2018
Java, Angular, Bash, Tableau

- Worked on building MVP cloud platform, wrote microservices, scripts, and created KPI dashboards.

Projects

Refactored Spoon   React, Go, MongoDB, Heroku

- Built nutrition-tracking web app that records food intake and provides nutritional insight.

Old to Joy

- Cofounded the Old to Joy program, which brings high school musicians together to perform at retirement homes.
- Coordinated with senior residences, organized performances, led rehearsals, and performed at concerts.

Education

University of Waterloo: Candidate for Bachelor of Software Engineering   Graduation April 2022

Interests: Orchestra @uWaterloo **|** Polyglot **|** Army Run Commander's Challenge **|** (Audio)Bookworm