Linda Huang Sijia

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EDUCATION

Cornell University, Ithaca, NY
M.Eng in Computer Science   Aug 2022 - May 2023 (expected)
B.A. in Computer Science   Aug 2019 - Dec 2022 (expected)
GPA: 4.15 / 4.00 | Dean's List for Excellence in Scholarship

COURSEWORK
* = in progress
† = Teaching
    Assistant

Operating Systems*, Databases*, Systems Security†, Algorithms†, Machine Learning†,
System Organization, Systems Programming, Functional Programming, Computer Networks,
System Organization, Artificial Intelligence, Data Structures & OOP†, Linear Algebra,
Discrete Structures, Probability

SKILLS

Languages Python, Java, C/C++, Typescript, JavaScript, OCaml, HTML/CSS, Bash, SQL
Technologies React, Angular, PyTorch, Redux, Flask, Git, Jupyter

EXPERIENCE

Google, Inc., New York, NY   May 2022 - Aug 2022
SWE Intern, Google Ads Engprod
- Designed and architected new backend pipeline for collecting and storing regression test data, enabling persistence of metrics that provide key insight into internal project migration progress
- Developed end-to-end pipeline comprising Java client-side library for data collection, and a server to push received data to a Google Napa database
- Algorithmically generated database mutations through protobuf reflection, facilitating future pipeline extensibility for other data collection use cases
- Leveraged the publisher/subscriber pattern to decouple pipeline components for fault tolerance
- Backend development with Guice, protocol buffers, remote procedure calls, SQL, and a Google Napa database

Google, Inc., Sunnyvale, CA (Remote)   May 2021 - Aug 2021
STEP Intern, Google Cloud AI
- Designed and developed hyperparameter configuration suite enabling on-the-fly redeployment of model training, one of the most internally and externally requested features, for recently launched Visual Inspection AI product
- Implemented entity tag support for backend operations, reducing vulnerability to race conditions and improving product scalability
- Full-stack development with Angular, HTML/CSS, GraphQL, and a Google Spanner database

YITU Technology, Singapore   May 2020 - Aug 2020
Research and Development Intern
- Researched and implemented proprietary instance detection and orientation classification models in PyTorch to detect and classify identity cards in input images, decreasing mean absolute error by more than 20% relative to previous solution

PUBLICATIONS

Large Scale Learning on Non-Homophilous Graphs 📄 ⌂   (NeurIPS 2021)
Derek Lim, Felix Hohne, Xiuyu Li, Linda Huang, Vaishnavi Gupta, Omkar Bhalerao, Ser-Nam Lim

PROJECTS

Skedaddle Camel ⌂
- Created interactive maze game in OCaml, in the process of transpiling to JavaScript, in team of 4

Animated Pomodoro Timer ⌂
- Implemented and deployed React/Redux app with Pomodoro timer functionality as a Chrome extension, with static and dynamic assets designed from scratch using HTML/CSS & Figma

Interactive Tax Calculator ⌂
- Implemented Chrome extension that injects React scripts into relevant web pages to display post-tax product prices, utilizing SQLite database to store location-based tax information