

Isaac Lo

isaaclo.site

Minneapolis MN / San Jose CA

isaaclo123@gmail.com

1(650)-503-1253

linkedin.com/in/isaac-lo-325587124

EDUCATION

- **University of Minnesota Twin Cities** Minneapolis, MN
B.S. in Computer Science, College of Science and Engineering (GPA 3.86) 2017- May 2020
Completed Coursework: Data Structures, Machine Architecture, Adv. Programming Principles, Program Design, Databases, Networking, Internet Programming
Current Coursework: AI, Machine Learning, Software Engineering

SKILLS

- **Backend:** Python/Django, C/C++, Node.js, Java, SQL
- **Frontend:** HTML, Angular, Vue, React, SASS/CSS
- **Misc:** Bash, NixOS, OCaml, Ansible, Docker, Git/Gitlab, R, Nginx, RESTful

WORK

- **COUNTRY Financial** Minneapolis, MN
Software Developer Intern Summer 2019
 - ◊ Increased call response times by developing a customizable call monitoring dashboard application with message alerts. Written with Django, React.js, Bootstrap CSS, HTML. Deployed with Gitlab pipelines and Ansible.
 - ◊ Currently working to improve on-call system efficiency by migrating COUNTRY Financial's on-call system to Target's GoAlert. Wrote an ansible playbook for deploying Goalert and a Postgres database to a server.
- **Voy** Minneapolis, MN
App Developer 2018
 - ◊ Developed a GPS-guided tour application with the startup Voy with Nativescript and Vue.js. The app helped the company earn a TBSr Innovation award, acceptance to the YC startup school, and \$3000 of funding from the University of Minnesota Twin Cities.
- **21st Century Education** Santa Clara, CA
Software Developer Intern 2015-2017
 - ◊ Reduced operational costs by migrating an existing cloud server instance to server hardware. Configured a Linux OS with a firewall, VPN, and data storage system.
 - ◊ Increased event publicity by setting up a company event webpage with Jekyll.

PROJECTS

- **Receipt Splitter** (github.com/isaaclo123/receipt-split)
 - ◊ Wrote a web application enabling the easy and precise splitting of receipt costs. Allows for the sharing of receipt costs and splitting the cost of individual receipt items amongst users. Written with Typescript, Redux, React.js, Flask, and sqlite.
- **Transcriber bot** (github.com/isaaclo123/transcriber_bot)
 - ◊ Wrote a python bot for transcribing the text within reddit image posts, aiding the visually impaired. Used OpenCV and Pytesseract to read text from images, Sqlite for logging information, and coverage/pytest for testing.
- **InFarm** (devpost.com/software/minnehacks)
 - ◊ Created a SMS service to help farmers in developing countries advance their personal education and increase their agricultural productivity. Wrote the service with Twilio and Node.js. Submitted for Minnehack 2019.
- **System Configurations** (github.com/isaaclo123/nix-config) & (github.com/isaaclo123/my-playbook)
 - ◊ Created configuration files for declarative software deployments for my personal computer and VPS instance. Personal computer files are written with the NixOS declarative language and the VPS files are written with Ansible.