Isaac Lo

isaaclo123@gmail.com
1(650)-503-1253
linkedin.com/in/isaac-lo-325587124

isaaclo.site
Minneapolis MN / San Jose CA

EDUCATION

- **University of Minnesota Twin Cities** — Minneapolis, MN
  B.S. in Computer Science, College of Science and Engineering (GPA 3.86) — *Sept 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 prototype with the startup Voy for Minnedemo 2018. 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. Written with Nativescript and Vue.js

- **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 configurations are written with the NixOS declarative language and the VPS configurations are written with Ansible.