

Loren Jiang

(949) 769-0678 | loren.jiang@gmail.com | lorenjiang.com | [loren-jiang](https://github.com/loren-jiang) | [loren-jiang](https://www.linkedin.com/in/loren-jiang)

Education

University of California, Berkeley

BS BIOENGINEERING, MINOR: ELECTRICAL ENGINEERING & COMPUTER SCIENCES

Berkeley, CA

Aug 2014 - May 2018

University of Illinois Urbana-Champaign

MCS COMPUTER SCIENCE

Remote

June 2021 - present

Skills

Backend Java • Python (Flask, Django) • SQL (Postgres, MySQL) • NoSQL (MongoDB) • Linux (Bash)

Frontend React • JavaScript • HTML/(S)CSS

Build tools Git • AWS (S3, EC2) • Docker

Experience

NimbleRx

SENIOR SOFTWARE ENGINEER, SOFTWARE ENGINEER

Remote

Apr 2021 - Present

- NimbleRx is a prescription delivery service. Software projects I worked on include:
 - API integration of same-day delivery service (Shipt, Doordash, and Uber)
 - revamping old internal tooling to a use a new, flexible and iterable platform, Retool, increasing productivity of internal employees 2-fold

EcoCart.io

SOFTWARE ENGINEER INTERN

Remote

May 2020 - Aug 2020

- EcoCart is a e-commerce promoting sustainability in online shopping. Software projects I worked on include:
 - frontend and backend integration for Shopify app and merchants admin panel
 - web scraper for relevant product and company data on Shopify storefronts

UCSF Macromolecular Structure Group

STAFF RESEARCH ASSOCIATE

San Francisco, CA

Sep 2018 - Dec 2019

- Developed software to streamline research and administrative workflow for the X-Ray Crystallography facility
 - hitsDB, a full stack Django web app to streamline data collection; image classifier for protein crystallization detection; lab billing system using Python scripts to aggregate usage data from Google forms
- Maintained and trained users on robotic equipment and related software to reduce user error and equipment downtime (protein crystallization imagers, high-throughput liquid handlers)

Projects

hits-db

APP TO STREAMLINE DATA COLLECTION FOR UCSF RESEARCH PIPELINE

Django, PostgreSQL, jQuery, S3

[hitsdb-demo.herokuapp.com](https://github.com/loren-jiang/hitsdb-demo)

- Designed database schema to best represent the experimental data that would be collected and wrote custom queries and transactions using Django ORM to optimize SQL performance

xtal-clear

PROTEIN CRYSTAL IMAGE CLASSIFIER

Flask, Docker, ResNet34

github.com/loren-jiang/xtal-clear

- Trained and deployed as web app a model with an accuracy of 85% using ResNet34 CNN

fpl-compare

STATS COMPARISON APP FOR FANTASY PREMIER LEAGUE (FPL)

React/Redux, Selenium

[fpl-compare.herokuapp.com](https://github.com/loren-jiang/fpl-compare)

- Webscraped external football websites and used API provided by FPL to visualize rich, custom datasets

misoboop

SHOWCASE WEBSITE THAT FEATURES PERSONAL RECIPES AND CAT

Django, PostgreSQL, DigitalOcean

github.com/loren-jiang/misoboop

- Built using Django + PostgreSQL backend and jQuery/Javascript + Materialize CSS, hosted on Digital Ocean