

Claire Y. Lin

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EDUCATION

University of California, Berkeley
B.A. Computer Science, GPA 3.7
Graduation May 2021

COURSEWORK

- Operating Systems
- Database Systems
- Data Structures
- Algorithms & Intractable Problems
- Computer Security
- Internet Architecture & Protocols
- Data Science
- Discrete Math & Probability
- Computer Architecture
- Information Systems & Devices
- Artificial Intelligence
- Linear Algebra

SKILLS

Programming

Python, Java, Go, JavaScript, Ruby, C

App Development

Ruby on Rails, React JS/Native, Redux, TypeScript, Airflow, Flask, SQL, ElasticSearch, Firebase, HTML5/CSS3/SCSS, JQuery

Design

Figma, Adobe CC (Illustrator, Photoshop, InDesign)

PROFILE

GitHub

github.com/clairelin135

LinkedIn

linkedin.com/in/clairelin135

Behance

behance.net/clairelin135

EXPERIENCE

Plaid

May 2020 - Aug 2020

Software Engineering Intern, Data Engineering | Go, Python, Airflow

- Improved accuracy for identifying bank accounts owned by consumers with 3+ accounts by 25%, streamlining returning user experience
- Created backend schema and endpoints to send and receive Kinesis events monitoring bank account additions and deletions
- Utilized Airflow to track changes to custom fields in MySQL table rows, enabling trend visualizations and historical analyses

Airbnb

May 2019 - Aug 2019

Software Engineering Intern, Payments | Java, React, Redux, TypeScript, ElasticSearch

- Implemented payment reconciliation portal with search, filter, and display functionality for investigation across ~500 payment mismatch data entries daily, instrumental to financial intelligence and payments reconciliation engineering
- Reduced data load time by 10x by implementing lazy scrolling, condensing backend requests, and caching data in window storage
- Created new endpoints in Java backend to fetch, add, and update payment-specific notes in ElasticSearch index, designed note schema

Everlaw

May 2018 - Aug 2018

Software Engineering Intern | Java, TypeScript

- Implemented search for sophisticated queries across document databases
- Optimized site load time by generating aggregated icon spritesheets and corresponding SASS display guides upon project build

CS 399: Ruby on Rails DeCal

Jan 2018 - May 2018

Teaching Assistant

- Taught workshops on RESTful API and routes for a class of 200+ students
- Managed coursework, led office hours and graded projects

PROJECTS

San Francisco Art Institute Marketplace

github.com/calblueprint/SFAI

Project Lead, Cal Blueprint | Ruby on Rails, React JS

May 2018 - Dec 2019

- Led a team of six to partner with the San Francisco Art Institute to develop an online marketplace platform for students to showcase and sell works
- Ensured project success through transparent communication, timely project development, and code maintainability through modularized components
- Implemented functionality for patrons to request works and view transactions

Social Justice Collaborative

github.com/calblueprint/sjc

Software Developer, Cal Blueprint | Ruby on Rails, React JS

Jan 2018 - May 2018

- Built a litigation-oriented web portal to allow Social Justice Collaborative attorneys to manage client creation, data intake, and case tracking
- Implemented task management platform to track attorney workflows

Smart Key Rack

github.com/clairelin135/smartkeyrack

Software Developer | Flask, Firebase, Raspberry Pi, HTML

Jan 2019 - Apr 2019

- Created a website that displayed which housemates were home through pressure-detecting key dishes, using Raspberry Pi to make backend requests