

## EDUCATION

### University of California, Berkeley

B.A. Computer Science, GPA 3.6  
Graduation May 2021

### Cupertino High School

Valedictorian (first in class of 600+)  
SAT 2360 (CR 800 | M 800 | W 760)

## COURSEWORK

\* currently enrolled

- Data Structures
- Algorithms & Intractable Problems
- Discrete Math & Probability
- Computer Architecture
- Information Systems & Devices
- Artificial Intelligence
- Linear Algebra
- Databases\*
- Computer Security\*
- Data Science\*

## SKILLS

### Programming

Python, Java, JavaScript, Ruby, C

### App Development

Ruby on Rails, React, Redux, TypeScript, 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

### Airbnb, Inc.

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 payment 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, Inc.

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

### 1World Online, Inc.

Jun 2016 - Aug 2017

#### User Interface/User Experience Intern

- Collaborated with CEO to design user interface for ICO initiative
- Developed multiple websites for investors using HTML/CSS/JavaScript
- Crafted surveys that reached audiences of 1.2K+ members to conduct research on user insights

### 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/SFAI/artistregistry

#### Project Lead, Cal Blueprint | *Ruby on Rails, React*

May 2018 - Dec 2018

- 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*

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
- Designed backend endpoints to update key statuses on Firebase and render data on frontend via conditional HTML