

# Bernard Zhao

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## LINKS

Github:// BernardZhao  
LinkedIn:// Bernard Zhao  
Instagram:// bernard.zhao

## EDUCATION

**U.C. BERKELEY**  
**BA in Computer Science**  
**Expected May 2021**  
Cum. GPA: 3.80 / 4.0  
Major GPA: 3.80 / 4.0

## COURSEWORK

Discrete Math and Probability  
RISC-V and CPU Architecture  
Algorithms + Data Structures  
Computer Science Pedagogy  
Circuit and Systems Design  
Unix Tools and Scripting  
Operating Systems  
Database Design

## SKILLS

### Fluent:

- Python
- Javascript, Node
- C
- HTML & CSS

### Familiar:

- Java
- Scheme, Lisp
- SQL, Oracle TSQL

### Frameworks & Other:

- Vue, Vuex, Nuxt.js
- React, Redux
- Django + REST Framework
- GraphQL, Graphene
- Jenkins, TravisCI

## EXPERIENCE

### ZANBATO | 8VC Fellow & Software Engineering Intern

May 2019 – Aug 2019 | Mountain View, CA

- Translated broker needs into new features on the ZX digital exchange, by utilizing new React components, Redux forms, HelloSign API, and DRF serializers to calculate and manipulate the valuation and status of private securities.
- Implemented a GraphQL endpoint for buy/sell order data using Graphene and Relay.
- Increased total team test coverage by 2% over pytest API, Selenium integration, and Jest component rendering tests.
- Upped user retention tracking by hooking new into Mixpanel APIs.

### INTEL | Software Engineering Intern

May 2018 – Aug 2018 | Folsom, CA

- Built application functionality for viewing and manipulating lab planning and test statuses of a larger org-wide web tool. This included the design and creation of Django models, endpoints, and Vue components.
- Mentored and helped on-board two younger interns, as well as manage their pull requests and commits on GitLab.
- Live pages received thousands of requests per week, by 60 unique lab members.

### INTEL | Software Engineering Intern

June 2017 – Aug 2017 | Folsom, CA

- Developed Python scripts to automate SSD testing, scrape drive data, and a fair scheduling algorithm for test suites between varying system configurations.
- Collaborated with external team to design new data architecture, implemented through data syncing from scheduled scripts with local lab databases using SQL queries and stored procedures.

## PROJECTS (SEE MORE ON GITHUB)

### SOURCEBOUND | Clifbar Fall 2018 - Spring 2019

- Used Node and Parse to create a food recipe generation platform including user/team ACLs, ingredient and recipe versioning, and notifications.
- Worked with Clifbar client to deliver food scientists needs including nutrient data visualization and nutritional label PNG exports from a web application.

### GLTCH

- Designed a python script to distort detected faces in images in different ways including JPEG corruption and pixel-sorting using facial recognition and Pillow.
- Merged pull requests after review improving the open-source repositories involved, including a pixelsorting library with over 200 stars on Github

## ACTIVITIES

Spring 2018 - Fall 2018  
Fall 2017 - Present  
Spring 2019 - Present  
Fall 2018 - Present

Academic Intern + Private Tutor  
Vice President  
Head Facilitator and Lecturer  
Core Staff and Family Head

CS61A/B  
Innovate Berkeley  
Linux Sysadmin Decal  
Open Computing Facility