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 an experimental 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 Enzyme tests.
- improved user event tracking by hooking new into new Mixpanel API events.

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	Academic Intern + Private Tutor	CS61A/B
Fall 2017 - Present	Vice President	Innovate Berkeley
Spring 2019 - Present	Head Facilitator and Lecturer	Linux Sysadmin Decal
Fall 2018 - Present	Core Staff	Open Computing Facility
Fall 2019	Course Staff Reader	CS162 - Operating Systems