

## EDUCATION

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**University of California, Berkeley**  
*B.A. Computer Science, Certificate in Design Innovation*

Expected Dec. 2023  
GPA: 3.65

## EXPERIENCE

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**UC Berkeley, Haas School of Business**  
*Undergraduate Researcher*

Berkeley, CA  
*Sept. 2020 – Present*

- Streamlined relevant regulatory comments from government documents by building data pipelines with Pandas
- Applying data science techniques to aid research in the Berkeley Political Economy Research Lab (BPERLab)

**SKUVision**

*Software Engineer Intern*

San Diego, CA  
*Jul. 2020 – Aug. 2020*

- Integrated Google's OAuth 2.0 API to improve user security in SKUVision's inventory analytics SaaS platform
- Built a fully-functioning MVP demo in Flask that enhances future users' understanding of the product
- Made improvements in the front-end visual aesthetic and user experience by providing design direction to the CEO

**DoctorLingo**

*Front-End Developer*

San Diego, CA  
*Jun. 2020 – Aug. 2020*

- Resolved user interface errors in React components to increase website flexibility and compatibility across browsers
- Communicated with other teams to create efficient workflow and version control with Git

## PROJECTS

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**Personal Website** | *React, Node.js, GraphQL*

- Designed a personal portfolio and blog to showcase design endeavors, programming projects, creative writing
- Resulted in instant page loads and faster build and deploy times by building scalable APIs and data querying

**Static Site Generator** | *Python*

- Built a static site generator to increase website speed, build times, version control, and security
- Eliminates server-side interference and improves rendering times by creating HTML files from templates
- Converts Markdown files into rendered HTML using the Jinja2 templating language for Python

**Kirby Finds the Cake** | *Java*

- Developed a program that inputs a user-created text file of a map and uses a pathfinding algorithm to determine the shortest distance between a given character "Kirby" and the final destination "Cake"
- Worked with stacks, queues, and HashMap data structures to test memory, runtime complexity, and efficiency

**Scheme Interpreter** | *Python, Scheme (Lisp)*

- Wrote and developed an interpreter for a subset of the Scheme programming language in Python
- Learned how to address issues and implementation decisions that arise in the design of programming languages
- Better understood functional programming by applying concepts such as parsing expressions and specific data types

## HONORS

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**Recipient**, National Merit Finalist, AP Scholar with Distinction, National Merit Corporate Scholarship, California State Seal of Biliteracy, CTE Information and Communication Technologies Award, Agilent Technologies Externship

## SKILLS

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**Languages:** Java, Python, JavaScript, HTML/CSS, SQL, Scheme (Lisp)

**Frameworks/Technologies:** React.js, Node.js, Express.js, MongoDB, Flask, Django, Bootstrap, GraphQL

**Libraries:** Pandas, NumPy, Matplotlib, D3.js, Selenium, Bokeh