

# Carlynda Gao

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👤 U.S. Citizen

## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY

B.A. in Computer Science, Pure Mathematics, & Philosophy

- Relevant coursework: Multivariable Calculus, Math 54 - Linear Algebra & Differential Equations, Math 55 - Discrete Mathematics, Math 104 - Real Analysis, Data 8 - Foundations of Data Science, CS 198 - Full-Stack Web Development, CS 61A - Structure & Interpretation of Computer Programs, CS 61B - Data Structures & Algorithms, CS 61C - Computer Architecture, EEP 100 - Intermediate Microeconomics

## EXPERIENCE

### UC BERKELEY DEPARTMENT OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES

*Research Assistant at the Berkeley Lab for Usable & Experimental Security (BLUES)*

Aug. 2024 - Present

- Contributed to a project on improving privacy guidance for app developers of child-directed apps through qualitative coding and thematically analyzing 216 pages of semi-structured interviews with 15 developers
- Utilized HTML, CSS, & Javascript to help build & update a guidance web application which includes a questionnaire, checklist, & references to relevant laws for app developers to use as privacy guidance
- Compiled & organized applicable international privacy laws & cybersecurity regulations to provide comprehensive developer compliance guidance & updated the guidance web application accordingly

### CORNELL UNIVERSITY S.C. JOHNSON COLLEGE OF BUSINESS

*Research Intern*

Aug. 2023 - Dec. 2023

- Authored a 10-page paper on the business operations of the boba shop industry under the mentorship of Cornell Professor Li Chen by tracing the international supply chain, quantifying the economic impact of COVID-19 through statistical analysis, & predicting future economic trends that may impact the supply chain & operations

### CORNELL UNIVERSITY S.C. JOHNSON COLLEGE OF BUSINESS

*Research Intern*

June 2023 - Oct. 2023

- Conducted a 12-page review under Professor Chen on the Chinese diaspora, East Asian immigration patterns in the 20th century, the formation of urban enclaves, the historical proliferation of East Asian businesses, & performed case studies on the impact of economic discrimination using qualitative analysis of historical data

## PROJECTS

### PERSONAL WEBSITE, [CARLYNDAXGAO.COM](https://carlyndaxgao.com)

*HTML, CSS, Javascript, Three.js, Express.js, Node.js, Vercel*

- Built a full-stack personal website from scratch utilizing HTML & CSS, implemented an interactive 3D model, display mode toggle, & mobile view dropdown using Javascript & Three.js, & used Express.js & Node.js to serve & deploy my personal website with Vercel which showcases my interests, skills, projects, experiences, & contact

### BUTTERFY, [GITHUB.COM/GOTTAGETPAID/BUTTERFY-FIX](https://github.com/GOTTAGETPAID/BUTTERFY-FIX)

*React, Vite, Javascript, HTML, Tailwind CSS, Node.js, Express.js, Next.js, Postman, MongoDB, Spotify Web API*

- Collaborated on Butterfly, a website which uses MongoDB to allow users to create accounts & profiles to match with 5 other users with similar music taste based on the users' top songs, artists, & genres, tested with Postman
- Created a recommendations page which uses the Spotify Web API to generate a list of songs, albums, or artists that match the user's preferences, with the option to upvote or downvote each suggestion to influence future suggestions

## TECHNICAL SKILLS

- **Languages:** Python, Java, HTML, CSS, JavaScript, TypeScript, SQL, Scheme, Matlab
- **Technologies:** React, Vite, Tailwind CSS, Three.js, Node.js, Express.js, Next.js, Postman, MongoDB, NumPy, Pandas, Matplotlib, Seaborn, Scipy, Jupyter, Colab, Git, Github, Vercel, Heroku, Microsoft Office, Blender
- **Skills:** Data Structures, Algorithms, Data Analysis, Research, Object-Oriented Programming, Front End, Back End, Full-Stack Development, Machine Learning, Web Design, Graphic Design, 3D Modeling, Statistical Analysis, Problem Solving, Public Speaking, Customer Service, Leadership, Teamwork, Communication