Carlynda Gao

carlyndaxg@berkeley.edu (650) 283 - 9108 linkedin.com/in/carlyndag/ U.S. Citizen

_EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY Expected Dec 2027

B.A. in Computer Science, (Pure) Mathematics, & Political Economy

- Relevant coursework: CS 61A - Structure & Interpretation of Computer Programs, CS 198 - Full-Stack Web Development, Data 8 - Foundations of Data Science, CS 61B - Data Structures, EECS 126 - Probability & Random Processes, Math 55 - Discrete Mathematics, Math 104 - Real Analysis
- Dual enrollment in high school: Multivariable Calculus, Linear Algebra, Python Programming

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 focused on improving privacy guidance for app developers of child-directed apps through qualitative coding and thematic analysis of semi-structured interviews with developers
- Utilized HTML, CSS, Javascript, Next.js, & React 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 - Nov. 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, GITHUB.COM/CARLYNDAXG/MY-WEBSITE

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

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

- Collaborated on Butterfy, a website which uses MongoDB to allow users to create accounts and profiles to match with five other users with the most similar music taste based on the users' top songs, artists, and genres
- 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
- **Technologies/Frameworks**: React, Vite, Tailwind CSS, Three.js, Node.js, Express.js, Next.js, MongoDB, NumPy, Pandas, Matplotlib, Jupyter, Colab, Git, Github, Vercel, Blender
- **Skills**: Data Structures, Algorithms, Data Science, Research, Object-Oriented Programming, Front End, Back End, Full-Stack Development, Web Design, Graphic Design, 3D Modeling, Problem Solving, Public Speaking, Customer Service, Leadership, Community Service, Teamwork & Collaboration, Teaching, Communication