Jennifer Lai

Email:	jenniferlai43@gmail.com	LinkedIn:	https://www.linkedin.com/in/jennifernlai/
Phone:	(408) 479-0242	Personal Site:	http://jenniferlai43.github.io
		Github:	https://github.com/jenniferlai43

EDUCATION

University of California, Santa Barbara *Sep 2017 - Jun 2021*

B.S. Computer Science, GPA: 3.94
❖ UCSB Regents & Chancellor's Scholars Association & College of Engineering Honors

LANGUAGES/TECHNOLOGIES/TOOLS

❖ Python, C++, Java, HTML, CSS, Closure, JavaScript, Node.js, React.js, Ruby on Rails
❖ Firebase Realtime Database, Heroku, MongoDB, PostgreSQL, Docker
❖ UNIX, Photoshop

EXPERIENCE

❖ **Facebook, Software Engineering Intern** *Sep 2020 – Dec 2020*
   o Designed and implemented hypercube structure to unify data across different platforms
   o Created dashboard to visualize and track data exposed per query
   o **Technologies:** *C++, Python, SQL*

❖ **Google SVL, Software Engineering Intern on Spanner Infrastructure Team** *Jun 2020 – Sep 2020*
   o Reduced CPU cost of a class of Spanner Paxos writes by ~15-20% by batching RPCs together
   o Enhanced Spanner LSM compaction verification by examining all versions of data
   o **Technologies:** *C++*

❖ **Google NYC, Engineering Practicum Intern on Funding Choices Team** *Jun 2019 - Sep 2019*
   o Implemented and tested full-stack feature that provides bulk management tools for a Google Ads publisher product
   o Built feature that allows publishers to upload hundreds of domain settings via a single CSV upload
   o **Technologies:** *Java, JavaScript, Closure/CSS (templating + style language), Spanner (database)*

PROJECTS

❖ **Boe's Beautiful Books,** *https://github.com/scalableinternetservices/RoyalTundraWolfpack* *Nov 2019 – Dec 2019*
   o Built and load tested scalable web application for online book discussion club that handles up to 512 users/sec
   o Implemented incremental optimizations (caching, pagination) to fix bottlenecks and improve performance
   o **Technologies:** *AWS, Docker, HTML, Javascript, PostgreSQL, Ruby on Rails, Tsung*

❖ **Benmo,** *https://github.com/jenniferlai43/cs171finalproj/* *May 2019*
   o Developed P2P decentralized money exchange system built on top of private blockchain
   o Implemented Paxos to ensure asynchronous replication and achieve consensus on transactions
   o **Technologies:** *Python*

❖ *Additional Projects on Github / Personal Site*

LEADERSHIP

❖ **SB Hacks Organizing Team, Co-Director & Lead Developer**, *https://www.sbhacks.com* *Feb 2018 – Mar 2020*
   o Raised $45,000+ in sponsorships and led 8-person team to organize 350-person UCSB annual hackathon
   o Created landing page, hacker dashboard, and additional user features for SB Hacks website
   o Created React app to optimize application review process and built additional internal team tools
   o **Technologies:** *AWS, Cloudflare, JavaScript, Node.js, PostgreSQL, React, Redux, SASS, Sendgrid, Webpack*

❖ **Coders SB, General Representative** *Nov 2018 – Mar 2021*
   o Hosted and led technical workshops
     ▪ i.e. Intro to Web Development (HTML, CSS, JavaScript, GitHub Pages)
   o Organized company talks and tours for undergrad CS students at tech companies such as Google, Microsoft, Workday, Ridgeline, Appfolio, Procore, Invoca, etc.