

Jennifer Lai

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EDUCATION

University of California, Santa Barbara

Jun 2021

B.S. Computer Science, GPA: 3.97

- UCSB Regents & Chancellor's Scholars Association & College of Engineering Honors

LANGUAGES/TECHNOLOGIES/TOOLS

- C++, Java, HTML, CSS, JavaScript, Node.js, Python, React.js
- Firebase Realtime Database, Heroku, MongoDB, PostgreSQL
- UNIX, Photoshop

EXPERIENCE

- **Google NYC, Engineering Practicum Intern on Funding Choices Team** Jun 2019 - Sep 2019
 - Full-stack development to implement feature that optimizes operations from UI to Spanner Datastore layer
 - Integrate feature with overall codebase using various Google internal infrastructure tools
 - Allows ad publishers to more efficiently push ad-blocking walls and effectively increase revenue
 - **Technologies:** Java, Javascript, Soy, Spanner
- **Experience Sampler, Research Developer** Nov 2018 - Jun 2019
 - Worked on open source iOS & Android surveying app that monitors stress levels of participants
 - **Technologies:** Cordova, Javascript, Google Scripts

PROJECTS

- **Benmo**, <https://github.com/jenniferylai43/cs171finalproj/> May 2019
 - Developed P2P decentralized money exchange system built on top of private blockchain
 - Implemented Paxos to ensure asynchronous replication and achieve consensus on transactions
 - **Technologies:** Python
- **Mineyeeter**, <https://jayleenli.github.io/HackSC2019/> Apr 2019
 - Web VR twist on a classic game - Minesweeper - by combining physicality of VR along with a multiplayer aspect, which is unique to typical VR games.
 - **Technologies:** A-Frame, CSS, Firebase Realtime Database, Github Pages, HTML, Javascript
- **Type Type Revolution**, <https://jayleenli.github.io/type-type-revolution/> Feb 2019
 - Worked in team of 4 to create a real-time entirely client-side multiplayer type-racing game
 - Implemented game logic in terms of mapping user interaction to update realtime database
 - Awarded "Best Game" at SLO Hacks 2019
 - **Technologies:** CSS, Firebase Realtime Database, Github Pages, HTML, JavaScript
- *Additional Projects on [Github](#) / [Personal Site](#)*

LEADERSHIP

- **SB Hacks Organizing Team, Co-Director & Developer**, <https://www.sbhacks.com> Feb 2018 – Current
 - Delegate tasks and coordinate with a 10-person team to organize our 400-person annual hackathon
 - Created landing page, hacker dashboard, and additional user features for SB Hacks website
 - Created React app to optimize application review process and help organizers more efficiently review apps
 - **Technologies:** AWS, JavaScript, Node.js, PostgreSQL, React, Redux, SASS
- **Coders SB, General Representative** Nov 2018 – Current
 - Host and lead technical workshops - i.e. Web Development
 - Organize company talks and tours for undergrad CS students at local SB tech companies