

# Jennifer Lai

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<https://github.com/jenniferlai43>

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## EDUCATION

**University of California, Santa Barbara**

*Jun 2021*

B.S. Computer Science, GPA: 3.95

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

## LANGUAGES/TECHNOLOGIES/TOOLS

- C++, Java, HTML, CSS, JavaScript, Node.js, Python
- UNIX, Photoshop, Arduino
- MongoDB

## PROJECTS

- **MyMovies**, <https://github.com/jenniferlai43/movie-rating-system> *Jul 2018*
  - Developed a web app that creates and stores personal ratings along with descriptions of movies to gain experience with APIs.
  - Integrated the backend to the frontend and designed a smooth, minimalistic user interface.
  - **Technologies:** *HTML, CSS, JavaScript, Node.js, MongoDB*
- **Alcohol Information Helper**, [https://github.com/jenniferlai43/lahacks18\\_aih](https://github.com/jenniferlai43/lahacks18_aih) *Mar 2018*
  - Designed a web service informing readers of the dangers of alcohol.
  - Implemented logic to calculate BAC, utilized the Google Maps API to locate and mark nearby hospitals, and employed the Twilio API to allow user to contact emergency services through the web browser.
  - **Technologies:** *HTML, CSS, JavaScript, Node.js, Google Maps API, Twilio API*
- **Know Your States**, [https://github.com/jenniferlai43/know\\_your\\_states](https://github.com/jenniferlai43/know_your_states) *May 2017*
  - Led a 3-person team: planned, scheduled, and delegated responsibilities.
  - Designed the graphical user interface and implemented logic for an interactive state and capitals test.
  - **Technologies:** *Java*
- **BOTender**, <https://www.youtube.com/watch?v=yUBBLq-M5RY> *Aug 2016*
  - Created a robot that mixes hot cocoa mix and water. Constructed a turbidity sensor, using LED lights and light sensors, that automatically detects when the drink is fully mixed.
  - Connected to an Android app via Bluetooth that tells the robot to begin mixing.
  - **Technologies:** *Arduino technology, C++, MIT AppInventor*

## LEADERSHIP

- **SBHacks Organizing Team, Development Coordinator**, <https://www.sbhacks.com> *Feb 2018 – Current*
  - Build, test, and maintain the website for the annual UCSB 500-person hackathon
- **Associated Student Body Government** *Aug 2013 – May 2017*

*Student Class President (2016-2017) and Student Class Secretary (2013-2016)*

  - Coordinated high school milestones, delegated responsibilities, & facilitated communication between administration and student body.