

# Lucy Wan

E: [lucy.w@berkeley.edu](mailto:lucy.w@berkeley.edu) | L: [linkedin.com/in/lucy-wan](https://www.linkedin.com/in/lucy-wan) | Loc: Berkeley, CA  
G: [github.com/lucywan](https://github.com/lucywan) | Portfolio: [lucywan.github.io](https://lucywan.github.io)

## Education

**UC Berkeley | Computer Science B.A.**

*Expected Graduation May 2023*

Relevant Classes: Computer Security (C, Go), Artificial Intelligence (Python) Data Structures (Java), Computer Programs (Python, Scheme), Machine Structures (C), Discrete Math and Probability Theory

## Skills

**Programming Languages/Frameworks:** Python, Java, JavaScript, C, SQL, R, Scheme, Go, Git

**Web Development:** HTML, CSS, JavaScript, Wordpress

**Data Science:** Numpy, Pandas, Scipy, Seaborn, Matplotlib, Scikit-learn

**Languages:** English (native), Chinese (fluent), Spanish (intermediate)

## Internships

**Software Development Intern | Rothfel's Lab**

*Oct 2020 to December 2020*

- Performed text-analysis of a few hundred plant species under Dr. Maryam Sedaghatpour

**Python Programming Psychology Research Intern | Cal State Fullerton**

*Mar 2018 to Jan 2020*

- Co-authored the research paper "[MARTER: Markov True and Error Model of Drifting Parameters](#)" where I wrote Python programs to manipulate and analyze data
- Acknowledged in the research paper "[TEMP2.R: True and Error model analysis program in R](#)" for running tests on the TEMP2.R program
- Created two calculators using HTML, CSS, and Javascript, one to predict binary gambles according to the Schramm model ([link](#)) and the other to predict response errors using a Markov model ([link](#))

## Work Experience

**CS61A Tutor | UC Berkeley Electrical Engineering and Computer Science**

*Aug 2020 to Present*

- Work eight hours a week on course staff in Berkeley's core introductory computer science course in Python and Scheme with over 2000 students
- Hold weekly office hours and tutorial sessions help students review material and grade and proctor exams

**CS61A Mentor | Edlyft**

*Apr 2020 to Aug 2020*

- Tutored students in lower division Berkeley CS classes in a YCombinator backed startup
- Underwent training on how to be an effective tutor and how to market Edlyft
- Helped grow the company in it's first few months to \$100k ARR

## Leadership

**Tech Lead | Bearlance (Startup)**

*Jan 2020 to Present*

- Led a team of eight students to develop products for college students
- Developed Collayt, a website using HTML, CSS, Bootstrap, Flask, Django, Google Cloud, Firebase to help Berkeley students find social opportunities during online learning ([link](#))
- Currently developing Sotira, a website using HTML, CSS, Django, SQL for crowdsourced financial calculators
- Bearlance was part of LystenLab Incubator's first 2021 cohort and is part of the accelerator program of Convergent, a student entrepreneurial organization at Berkeley

**Co-Founder | Peerlon1 (Nonprofit)**

*Oct 2016 to Jun 2019*

- Served over 50 autistic individuals under the period of my leadership
- Nominated for the 2018 Annual Spotlight Award of the regional center of Orange County
- Created the website [peerlon1.org](https://peerlon1.org) using Wordpress (total of over 3,942 views and 1,192 visitors since June 2019)

## Top Projects

- File Sharing System:** developed an encrypted file sharing system using secure cryptographic practices
- Gitlet:** created a version of Git with 18 commands total including add, merge, and checkout (Java)
- eTrade API:** created a package for automating stock trading on eTrade (Python, Selenium WebDriver)
- Titanic: Machine Learning from a Disaster:** created a machine learning predictive model using gradient boosting classifiers - from a Kaggle competition where I scored in the 33rd percentile (Python, Numpy, Pandas, Scikit-learn)