

# JESSICA LIN



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jesslin.me

## EDUCATION

### University of California, Berkeley Computer Science, B.A.

June 2020 – May 2024

**GPA: 4.0**

#### Relevant Coursework:

- DATA 8: Foundations of Data Science (Summer 2020)
- CS 61A: The Structure and Interpretation of Computer Programs (Fall 2020)
- EECS 16A, 16B: Designing Information Devices and Systems I, II (Fall 2020, Spring 2021)
- CS 61B: Data Structures (Spring 2021)

### Northwood High School (NHS)

Aug 2016 – June 2020

**UW GPA: 4.0**

## SKILLS

### Programming

- Python
- Java
- SQL
- MATLAB

### Web Dev / Design

- HTML
- CSS
- Illustrator

### Personal

- Teaching
- Event Planning
- Dance
- Flute
- Piano

### Languages

- Chinese
- Spanish

## AWARDS

- **Biotechnology Laboratory Assistant Certificate**  
Dec 2019
- **National Merit Scholar Finalist**  
Feb 2020
- **National AP Scholar**  
May 2019, May 2020
- **NHS Renaissance Award**  
May 2020
- **Math Kangaroo Competition: National Top 30, State Top 10**  
Mar 2019

## EXPERIENCE AND LEADERSHIP

### Student Researcher, Sno-King

**Feb 2021 – Present**

- review and analyze customer data across 10+ platforms
- prepare summary report of key customer data insights and provide full needs analysis to pivot the long-term marketing strategy
- recommend new strategic approach data management tool

### Academic Intern, DATA 8

**Aug 2020 – Present**

- assist during weekly lab sessions for 1.5 hours by addressing questions, debugging code, and reporting completed labs
- prepare solutions and teaching strategies before each lesson
- collaborate with fellow leaders to propose improved strategies

### Junior Mentor, Computer Science Mentors

**Jan 2021 - Present**

- tutor small group sections in introductory computer science for 1 hr
- review pedagogy skills and ask for feedback from senior mentors
- implement exam prep sessions to boost student confidence
- collect student opinions to inform structural and teaching changes

### Committee Member, AWE

**Sep 2020 – Present**

- serve on a select body of dedicated members in the Association of Women in EE & CS (AWE) to facilitate club operations and events
- design swag, social media banners, and shareable graphics
- coordinate club departments and organize budget, email, and blog

### Software Intern, Bioenno Tech LLC

**June 2020 – Aug 2020**

- collected and analyzed customer data for marketing development
- updated website with new customer information and publications
- refined website design to be more accessible and user-friendly

## PROJECTS

### Police Accountability, Microsoft x PiE Datathon

**Sep 2020**

- carried out exploratory data analysis on 15 years of Seattle Police Department data to find demographic and disciplinary trends
- implemented Microsoft Azure's text analytics package to evaluate the descriptions of 156 police encounters for mentions of witnesses

### Scheme Interpreter, CS 61A

**Nov 2020**

- used Python to build a command-line interpreter for Scheme
- incorporated natural language processing concepts, exception handling, and mutual recursion into a read-eval-print loop

### Deep Brain Stimulation, BU RISE

**July 2019 – Aug 2019**

- created computational models using MATLAB and Python at Boston University's Research in Science & Engineering (RISE) program
- analyzed the effects of electrical stimulation on patients with Parkinson's disease and presented findings in a poster symposium