



JESSICA LIN

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 (949) 245-5961

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: Designing Information Devices and Systems I (Fall 2020)

Northwood High School (NHS)

Aug 2016 – June 2020

UW GPA: 4.0

SKILLS

Programming

- Python
- Java
- MATLAB

Web Dev

- HTML
- CSS
- JavaScript

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
- **KAR National Dance Competition: 1st Place Overall**
Nov 2019

EXPERIENCE AND LEADERSHIP

Learning Assistant, 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 review pedagogy skills before each lesson
- collaborate with fellow leaders to propose improved strategies

Software Intern, Bioenno Lifesciences

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

Summer Learning Academy Extern, AT&T

June 2020 – July 2020

- completed 80 hours of online learning in finance, communication, human resources, advertising, data presentation, and leadership
- engaged with nationally renowned speakers, experts, and executives to further personal and professional growth

Student Researcher, BU RISE Program

June 2019 – Aug 2019

- competitively selected for computational neurobiology at Boston University's Research in Science & Engineering (RISE) program
- recorded neural spikes of crickets and fruit flies in practical labs
- discovered and explained spike patterns with computational model

President, NHS Make-A-Wish

Aug 2019 – June 2020

- scheduled and managed events to raise \$7500 to grant a Wish
- coordinated event details with businesses and organizations
- communicated with club members about upcoming fundraisers

PROJECTS

Spotify Music Analysis

Aug 2020

- explored data regarding features of tracks in the Free Music Archive
- performed hypothesis testing and created a linear regression model with Python to examine relationships between different genres of music and their features

Deep Brain Stimulation for Parkinson's

July 2019 – Aug 2019

- created computational models using MATLAB and Python
- analyzed the effects of different amplitudes and pulse widths of electrical stimulation on patients with Parkinson's disease
- presented research findings in a poster symposium

Pocket Pokémon

May 2019 – June 2019

- utilized Java to create a 10 x 10 field in which wild Pokémon appeared at random for the player to battle
- designed aesthetics for the game board and player view
- added multiple options for the difficulty of the game