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<https://github.com/AliciaChuang>

<https://aliciachuang.github.io/Fellowship-personal-website>

Alicia Chuang

EDUCATION

University of California, Irvine,

Donald Bren School of Information and Computer Sciences and School of Physical Sciences

Bachelor of Science in Mathematics and Data Science

Irvine, CA

Expected June 2024

- **Honors:** Dean's Honor List

TECHNICAL SKILLS/INTERESTS/PROJECTS

Relevant Classes: Advanced Python Programming, Programming in C++, Discrete Mathematics, Linear Algebra, Numerical Analysis, Abstract Math, Ordinary Differential Equations, Data Structures

Languages/Tech: Python | C++ | MatLab | Pytorch | Pandas | Mathematica

Project:

Custom Wordle - Creator

- Coded my own version of the popular word guessing game Wordle with a word bank exceeding 5,000 words
- Implemented custom interactive GUI elements

WORK/EXPERIENCE/ROLES

Mathematical Research in Machine Learning

Irvine, CA

Researcher

Feb 2022 - Present

- Researched mathematical concepts behind machine learning topics to optimize data analysis.
- Applied mathematical theory by creating neural networks among various other classifiers.

Colorguard

San Jose, CA

Captain

Aug 2017 - Dec 2020

- Coordinated practices and competitions for 24 team members.
- Led warmups and outside practices to prepare the guard for competitions.
- Recorded over 30 video tutorials and organized a drive for members to learn from and refer to.

Breakthrough

San Jose, CA

Teacher

May - July 2019

- Taught biology in Breakthrough, an organization that helps underrepresented, first generation students get into 4 year universities.
- Created a study plan and made all relevant course materials to teach a summer long class.