

WingYeung Ma

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EDUCATION

University of California, Berkeley, CA

Bachelor of Arts in Data Science

Aug 2021 - Present

GPA:3.741/4.0

Relevant Coursework: Math 55: Discrete Mathematics, CS 61A: Structure and Interpretation of Computer Programs (Python, SQL), CS 61B: Data Structures (Java), Math 124: Programming for Mathematical Applications (Julia), Data C8 Foundation of Data Science (Python, numpy), CIVENG C88: Data Science for Smart Cities (Python, pandas), Stat 88: Probability (Spicy)

SKILLS

Languages: Python, Java, C#, Julia, R, Git

Libraries: Numpy, Scipy, Pandas

Databases: MySQL

Web Technologies: HTML5, CSS, JavaScript

HIGHLIGHTED PROJECTS

Project - The Enigma

Fall 2021

Course: CS 61B: Data Structures

- Developing the Enigma machines with Java. It is used in World War II to encrypt and decrypt military communications.
- Building off of several classes with Java Object Oriented Features. It's including creating classes for machines, permutation, moving rotor, and reflector.
- Learning how to debug code using IntelliJ built-in debug feature.

Project - Gitlet

Fall 2021

Course: CS 61B: Data Structures

- Gitlet is a version-control system that is very similar to git. The goal of the project is to implement file store, writing and reading file and detecting change in the file.
- Through the project, we as the students can be more familiar with the git system. Gitlet command is very similar to the real Git.

Project - Neural Networks for Character Recognition

Spring 2022

Course: Math 124: Programming for Mathematical Application

- In this project, we are predicting the regular characters for the noisy characters with Julia programming Language.
- It is related to machine learning using a multilayer perceptron with a single hidden layer. Like most of the machine learning algorithm, we feed some called-training data into the computer.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Encinal High School - Alameda, CA

September 2018 - June 2019

Badminton Team Captain

- Organize practice for the team, creating weekly schedule for team members, organize team activities and leave memories to all team members and coach.
- Be responsible to all important in the team such as, checking on necessary material for practice, communicating with coach, school and third party organization, answering question that team members have.

MeetFresh - Oakland, CA

September 2019 - September 2019

Shift Lead

- Monitored inventory and report to store manger/store owner for low stock's items.
 - Provided memorable customer service by assisting with merchandise when needed for meeting store demand.
 - Manger other employees rest time and lunch break. Ensure the overall quality and satisfaction of the store.
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