

Mark Nguyen

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EDUCATION

UNIVERSITY OF CALIFORNIA - BERKELEY

Expected Graduation: May 2024

Bachelor's in **Computer Science**

Orange Coast College

Associate's in Computer Science + Math, GPA 3.9/4.0

Courses: Data Structures & Algorithms, Software engineering, Python OOP, Artificial Intelligence, Efficient Algorithms, Data Science

EXPERIENCE

Major League Hacking | Software Engineer ([GitHub](#))

Remote

May 2022 – Aug 2022

- Mentored by a Meta Engineer, Jimmy Feng, to work on Labgraph Monitor (**Python framework**)
- Implemented/debugged numerous UI features and components through **React and Javascript** for a more robust/readable interface
- **Collected** performance metrics between nodes with python to determine the output/receiving speed of information
- Learned code base and mentored fellow colleagues teaching core OOP concepts and the project structure to maintain teamwork, communication, and collaboration.

PROJECTS

Online Restaurant | HTML, JavaScript ([Website](#))

Berkeley, CA

Jan 2023

- Designed the overall website concept/layout, and implemented responsive home & product pages
- Included animations, hover mechanics, slideshow, and deployed on GitHub pages.

Tower Defense Game | Python

Berkeley, CA

Oct 2022

- Worked on a game project based on Plants Vs Zombies for a **final grade of 100%**
- Implemented back-end web applications using python to program attributes of game characters
- Utilized **class inheritance** to differentiate between tier levels of ants and bees

Game of Dice | Python

Berkeley, CA

Sep 2022

- Implemented a program that plays Pig against a human player or itself
- Developed a strategy that **wins 62%** of the time
- Leverages high-level functions to increase the modularity and usability of code

Light and Sound Memory Test | HTML, CSS, JavaScript ([Game](#))

Orange County, CA

April 2022

- Built and deployed a web game incorporating various soundtracks/visuals & a working stopwatch
- Leveraged **Javascript** to implement interchangeable game functionality with a click of a button

WORK

Math Tutor | Orange Coast College

Remote

May 2021 – Dec 2021

- Taught college students math in private one-to-one 60-minute zoom sessions

SKILLS

- Languages: **Python, Java, C++, Javascript**, typescript
- Technologies: **HTML, SQL, CSS**, React