Ken Fukuyama

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EDUCATION:

University of California, Los Angeles - UCLA   **Expected Graduation : June 2023**
Bachelor of Science in Data Theory
- ➤ **Cumulative GPA: 4.00**
- ➤ **Relevant Courses:** Data Analysis and Regression, Statistical Programming in Python and R, Probability Theory, Data-Driven Mathematical Modeling, Advanced Linear Algebra

University of California, Merced   **Aug 2019 – May 2021**
Bachelor of Science in Computer Science and Engineering - Transferred
- ➤ **Relevant Courses:** Algorithms, Data Structures, Machine Learning, Multivariable Calculus, Fundamentals of Quantitative Analysis, Computer Organization and Assembly Language

TECHNICAL SKILLS:

- ➤ **Programming Languages:** Python, C++, Java, C, R, SQL
- ➤ **Technologies/Environments:** Git/Github, ML libraries in Python (scikit-learn, PyTorch), Windows/MacOS/Linux Distros, Microsoft Office Suite, Jupyter Notebook, Google Collab
- ➤ **Spoken Languages:** Japanese (advanced), Mandarin Chinese (intermediate)

EXPERIENCES:

Simbrain Neural Networks, University of California, Merced   **Feb 2020 – June 2021**
Software Developer
- ➤ Maintained and developed neural network software used by approximately 120 students each semester
- ➤ Reported and consulted with professor and colleagues frequently on project progress
- ➤ Programmed in Java and Python, mastered version control and working in a collaborative environment

Lawrence Livermore National Laboratory – Livermore, California
Machine Learning Engineer Intern   **June 2020 – July 2020**
- ➤ Collaborated in a multidisciplinary team to develop machine learning algorithms to classify energetic materials
- ➤ Improved classification metrics by 10 percent through feature engineering and parameter optimization
- ➤ Evaluated result using statistical methods and generalized machine learning algorithms for test datasets

RESEARCH/ PROJECT:

ACM: Artificial Intelligence, Advanced Track – UCLA   **Sep 2021 – Current**
- ➤ Explored mathematics and practical applications of neural networks with passionate fellow students
- ➤ Built neural network models to perform object classification and detection in images using Pytorch

TechSoup, Caravan Studios, San Francisco, CA   **Jan 2020 – May 2020**
Disaster Response and Recovery Research Intern
- ➤ Researched on disaster management and created informative documents for local non-profit organizations
- ➤ Implemented Python code in Jupyter Notebook to visualize the number of ham radio licenses in the U.S.

LEADERSHIP:

Society of Asian Scientists and Engineers - UC Merced   **September 2019 – June 2021**
Vice President
- ➤ Led events such as machine learning workshop and resume review to enhance professional skills, mentored dozens of incoming freshmen, and invited recruiters to present career tips and internship opportunities
- ➤ Worked with board members to arrange weekly meetings and workshops for a professional club on campus