KENNY JUNG

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EDUCATION

University of California, Merced, Merced, CA   *Expected May 2022*
Bachelor of Sciences: Major in Computer Science and Engineering   **GPA: 3.98**
Relevant Coursework: Data Structures, Algorithms (Fall 2020), Object-Oriented Programming (Fall 2020), Computer Organization and Assembly Language, Discrete Mathematics, Numerical Methods (Fall 2020)
Honors/Awards: Fiat Lux Scholar, Chancellor's Honor List, Dean's Honor List

SKILLS & INTERESTS

Languages: Python, C++, C, Java, HTML, CSS, JavaScript
Frameworks/Technologies: Django, Git, NumPy, Pandas, Tensorflow, Keras, React.js

EXPERIENCE

Rutter Lab, Merced, CA   *June 2020-Present*
Undergraduate Researcher
- Plan on building a deep neural network that detects broken fingers and ruptured Achilles tendons
- Read papers about successful convolutional neural networks used in ImageNet Large-Scale Visual Recognition Challenge
- Implement neural networks using Tensorflow and Keras and plotted data for visualization

Assocation for Computing Machinery, Merced, CA   *Aug 2019-Present*
Member
- Work on coding projects and attend workshops to further develop technical and professional skills
- Tour tech companies in the San Francisco Bay Area to familiarize with company culture
- Help computer science students with courses such as data structures and computer organization

PERSONAL AND SCHOOL PROJECTS

Coursinary | Web Application   *May 2020-Present*
- Built a platform where UC Merced students can access course information from other students who already took the course
- Utilized Django framework with ModelForms and SQLite database, and deployed through Heroku
- Surveyed volunteers who used the app to fix bugs and implement new features suggested from the responses

Word Search Solver   *Feb 2020-March 2020*
- Constructed a program that takes in text files of a block of letters and a word bank to solve the puzzle
- Thought of an original algorithm that can search left to right, right to left, top to bottom, and diagonally
- Learned how to use pointers and dynamically allocated memory in place of arrays

Personal Website | Website   *Jan 2020-Feb 2020*
- Created a personal website using HTML, CSS, and JavaScript
- Featured fading animations to make the website look aesthetic and improve user experience

Searching/Sorting Visualizer   *Dec 2019-Jan 2020*
- Launched a web application that visualizes searching and sorting algorithms
- Programmed the application with React and wrote a description of the theory behind the algorithms
- Provided a teaching tool for students learning data structures and searching and sorting algorithms