

# KENNY JUNG

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## EDUCATION

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**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), Database Systems (Fall 2020), Object-Oriented Programming (Fall 2020), Computer Organization and Assembly Language, Discrete Mathematics

### **Honors/Awards:**

Summer Undergraduate Research Institute (SURI) Fellowship, Chancellor's Honor List, Dean's Honor List

## SKILLS & INTERESTS

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Languages: Python, C++, C, Java, HTML, CSS, JavaScript

Frameworks/Technologies: Django, Git, Tensorflow, Keras, OpenCV, NumPy, Pandas, React.js

## EXPERIENCE

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**Undergraduate Research Opportunities Center**, Merced, CA

*June 2020-Present*

*SURI Undergraduate Researcher*

- Plan a research project on building a machine learning model for bone fracture classification
- Implement using specific convolutional neural networks such as AlexNet and ResNet
- Read papers and their analyses to replicate similar methods for the research project
- Write scripts to parse data and automate image processing with OpenCV

**Association 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 PROJECTS

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**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 for feedback on fixing bugs and implementing suggested features

**Dogs vs Cats Classifier | Machine Learning GUI**

*June 2020-July 2020*

- Constructed a graphical user interface where the program classifies the uploaded image as a dog or cat
- Implemented with an AlexNet architecture using Tensorflow, Keras, and Tkinter
- Optimized the model by constantly improving the model architecture to an accuracy of 95.65%

**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 | Web Applications**

*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