

Carter Womack

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Education

California State University, Bakersfield

BS IN COMPUTER SCIENCE

Bakersfield, CA

August 2018 – December 2022

Work Experience and Relevant Coursework

Amazon

ASSOCIATE - PICKER

- Successfully collected and dispatched accurate items to the shipping department
- Demonstrated versatility by assisting various departments, including but not limited to: the shipping docks and downstacking

Bakersfield, CA

April 2021 – June 2021

Kindred Hospice

VOLUNTEER

- Assisted in preparing mailers
- Organized supply closets
- Conducted check-up calls to outpatients

Bakersfield, CA

2018 – 2019

Skills

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

Tools: VS Code, Linux, Git, MySQL, VIM, IntelliJ IDEA

Projects

K Nearest Neighbors Handwritten Digit Recognizer

THIS PROGRAM IS AN IMPLEMENTATION OF THE K-NEAREST NEIGHBORS (KNN) ALGORITHM FOR CLASSIFICATION. THE CODE READS HANDWRITTEN DIGIT IMAGES FROM TRAINING AND TEST DATASETS, PERFORMS CLASSIFICATION USING THE KNN ALGORITHM, AND CALCULATES THE ACCURACY OF THE CLASSIFICATION

Python, NumPy, GitHub

<https://github.com/ceedubuh/Datamining-Algorithms>

Progressive Web Application

LEAD DEVELOPER IN A TWO MAN GROUP TO CREATE A PROGRESSIVE WEB APPLICATION. INTEGRATED A FIRESTORE DATABASE TO LOAD DATA TO THE WEBPAGE AND UTILIZED SERVICE WORKERS FOR ONLINE AND OFFLINE FUNCTIONALITY

Javascript, HTML, CSS, GitHub, Firebase, Firestore

<https://bionet-pwa.web.app/>

Desktop Assistant – In Progress

PERSONAL PROJECT TO EXPAND PROFICIENCY IN PYTHON PACKAGES SUCH AS TKINTER, PYSTRAY AND BEAUTIFULSOUP. DEVELOPED TO LEARN HOW GUIs COME TOGETHER AND HOW TO MANIPULATE DIFFERENT FUNCTIONS ON A WINDOWS SYSTEM. UTILIZES BEAUTIFUL SOUP TO SCRAPE GOOGLE AND RETURN/OPEN THE FIRST SEARCH RESULT FOR THE USER.

Python, VS Code, GitHub, Tkinter, BeautifulSoup4

<https://github.com/ceedubuh/Desktop-Assistant>

Iris Dataset Classifier with Entropy

UTILIZES A DECISION TREE CLASSIFIER AND AN ENTROPY ALGORITHM TO PREDICT VALUES USING THE PUBLIC IRIS DATASET. I ALSO IMPLEMENTED THE CORE FUNCTIONALITIES OF THE DECISION TREE ALGORITHM, INCLUDING BUILDING THE TREE, SPLITTING THE DATASET, CALCULATING INFORMATION GAIN, AND ENTROPY USING OBJECT ORIENTED PROGRAMMING.

Python, NumPy, SKLearn

<https://github.com/ceedubuh/Datamining-Algorithms/blob/main/irisentropy.py>