

Carter Womack

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Education

California State University, Bakersfield

BS IN COMPUTER SCIENCE - INFORMATION SYSTEMS

Bakersfield, CA

August 2018 – December 2022

Work Experience

Mashburn Waste & Environmental Services

IT SUPPORT TECHNICIAN/DATA ANALYST

- Provided Tier 1-4 support for 200+ users
- Installed, configured and managed Windows Operating Systems and servers
- Managed Active Directory accounts
- Automated manual routine tasks using Python, cutting daily workload down by over 100%
- Managed, developed and maintained various data analytic projects

Bakersfield, CA

September 2023 – Present

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

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/ceedubuyuh/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

DEVELOPED A VERSATILE DESKTOP APPLICATION USING PYTHON'S TKINTER LIBRARY TO CREATE A USER-FRIENDLY PERSONAL ASSISTANT TOOL THAT INTEGRATES MULTIPLE FUNCTIONALITIES FOR ENHANCED USER PRODUCTIVITY AND CONVENIENCE. KEY FEATURES INCLUDE: GOOGLE SEARCH INTEGRATION FOR QUICK INFORMATION RETRIEVAL. SYSTEM CONTROL BUTTONS FOR EASY COMPUTER MANAGEMENT. REAL-TIME CLOCK DISPLAY FOR TIME TRACKING. QUICK APP LAUNCH BUTTONS. NOTES FEATURE WITH AUTO-SAVING FOR CAPTURING IDEAS.

Python, VS Code, GitHub, Tkinter, BeautifulSoup4

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

Iris Dataset Classifier with Entropy

UTILIZES A DECISION TREE CLASSIFIER AND AN ENTROPY ALGORITHM TO PREDICT VALUES USING THE PUBLIC IRIS DATASET. IMPLEMENTED A 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/ceedubuyuh/Datamining-Algorithms/blob/main/irisentropy.py>