

Christopher Baker

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OBJECTIVE

Passionate and results-oriented Computer Science and Engineering graduate with expertise in software development, data analysis, and machine learning. Experienced in leveraging technology to drive business insights and innovation. Seeking a challenging role in data science or computer programming to apply skills and contribute to organizational growth.

EDUCATION

University of California Los Angeles, Westwood 2019 – 2023 B.S., Computer Science and Engineering

Cypress College, Cypress 2016 – 2019 Associates Degree in both, Math and Science, Arts and Humanities

TECHNICAL SKILLS

Programming Languages: Python, C++, C#, Java, HTML, CSS, JavaScript, MatLab, Pascal, Clisp, Bash

Development Tools: Visual Basic, LISP, OCAML, MS Office Suite, MAC iWork Suite

Hardware and Processes: VHDL, Verilog, Basys3 Board, Grove/Arduino Board, TI Robotics RSLK Board

Operating Systems: Windows, MAC, Linux

Software: Unity, ServiceNow

Database: SQL

Version Control: Git, GitHub

PROJECT EXPERIENCE

Machine Learning and Artificial Intelligence | Business Analytics/Recommendations | UCLA, Westwood | 2021-2022

Utilized data science and machine learning techniques to analyze sales data for the company Lemonade.

- Conducted extensive feature engineering and employed multiple best-fit models to forecast sales, growth, and profits in the cannabis industry.
- Recommended leveraging the developed model to optimize sales strategies for Cookies, recognizing the increasing annual growth in the cannabis industry.
- Identified key trends in product categories and recommended inventory restructuring to focus on high-sales categories like flower and vapes, while expanding offerings in the growing edibles market
- Advised on strategic partnerships with hybrid-focused brands to capitalize on emerging trends in strain preferences.

Other | 2016-2024

- Artificial Intelligence and Machine Learning Predictors for Data Sets and Decisions Trees to suggest best paths or models.
- TI RSLK Robotic Light Sensing Racing Car: Programmed sensors and motors for a light-sensitive racing car.
- Computer Assembly Bomb Lab: Implemented assembly code to prevent a simulated bomb from detonating.
- Digital Laboratory Verilog Robotic Car: Developed a controllable car using Verilog for digital design.
- Advanced Web Development Web Page: Created a dynamic web page using HTML, CSS, and JavaScript.
- Horde Wave Video Game: Designed and developed a wave-based video game using game design principles.
- SQL Database Access Project: Built a SQL-based database access project for efficient data retrieval.
- 2D Adventure RPG: Developed a 2D adventure role-playing game with interactive storytelling.
- Galaxy Spaceship Shooter: Designed and programmed a spaceship shooter game for entertainment.
- Super Mario Mimic: Created a project mimicking the classic Super Mario game with modern coding techniques.

WORK EXPERIENCE

Bartender and Shift Supervisor | Melody Bar and Grill, Inglewood | 2019 – 2024

- Spearheaded problem-solving initiatives, managing diverse challenges including employee training, conflict resolution, and high-volume service demands, showcasing exceptional adaptability and leadership.
- Collaborated cross-functionally with Heartland Restaurant Group Technical Teams and coworkers to optimize Point of Service

systems, demonstrating strong teamwork and communication skills in identifying and resolving networking issues.

- Implemented streamlined email and ticket management processes, resulting in a 10% reduction in response times, showcasing proactive process improvement and efficiency.
- Engineered robust ticket procedures to ensure service reliability and customer satisfaction, leveraging software proficiency to optimize operations and enhance efficiency in diverse digital environments.

Technical Support Specialist | UCLA Computer Store, Westwood | 2019 – 2021

- Provided comprehensive hardware and software support to diverse clientele, including students, faculty, and staff, at UCLA Computer Store, known for its cutting-edge technology solutions.
- Diagnosed and resolved technical issues on MAC and Windows devices, demonstrating deep OS understanding and effective troubleshooting methodologies.
- Led training sessions for new employees, optimizing workflow and enhancing customer service standards, showcasing strong leadership and communication skills.
- Collaborated to streamline email and ticket management systems, achieving a notable 10% reduction in response times, demonstrating proactive process improvement and efficiency.

Independent Researcher | CLIMB UP University at Buffalo, New York | 2018 – 2019

- Spearheaded the development of an innovative portable mobile augmented reality game for patient rehabilitation, leveraging cutting-edge technology including Unity and Vuforia.
- Crafted dynamic game elements and sophisticated physics engines to simulate real-world interactions, optimizing user engagement and targeting specific muscle groups for effective rehabilitation.
- Seamlessly integrated augmented reality features, empowering users to interact with virtual objects in their physical environment using the device's camera.
- Designed the game as a captivating time-based challenge to enhance patient adherence and rehabilitation outcomes, earning accolades at prominent healthcare and technology conferences.