EVAN COPE

Software Engineer

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Accomplished Programmer and Data Scientist with nearly 3 years experience implementing data-driven technologies and web-based solutions. Designed applications to streamline team member workflows, and simplify daily tasks, increasing overall efficiency in operations by nearly 50%. Proficient in data wrangling/cleaning, database management, and generating predictive models with hypertuned parameters. Electronics hobbyist with an interest in microcontrollers, IoT devices, and embedded systems. Pursuing enriching and challenging opportunities in the field of software development and data science.

WORK EXPERIENCE

Junior Data Scientist & Software Engineer
Boutsy - Natural Essentials | Feb. 2020 - Present

Extensively employed modern practices in programming and data analytic techniques to establish eCommerce improvement strategies and innovative procedure revisions. Revealed insights and trends to team leadership for better data-driven decision making. Ensured initiatives were comprehensive, utilizing customer behavior and statistics to target end user satisfaction. Engaged in team work by collaborating to create goal-oriented software tools, documentation, and exploratory reports.

- Expertise in the eCommerce industry, especially startups with fast growing environments.
- Aptitude for automating daily operations, generating reports, and reaching solutions through code.
- Technical knowledge integrating products and brands from existing retail web platforms.

Graduate Assistant
Math Dept. - Kent State University | Aug. 2019 - Dec. 2019

Carried out day to day procedures in a College Algebra course, tracking attendance, grading assignments, and organizing out of class study sessions. Employed exceptional leadership skills to spearhead lessons and manage classroom discussions. Practiced noteworthy pedagogy strategies and techniques to aid in targeting diverse learners.

PROJECTS

Boutsacado
Web Development

An eCommerce platform and proof of concept built from the ground up using React, Django, Redux, and Postgres. It incorporates a proper admin panel with product, order, and user management. It also features a complete checkout process including Paypal integration and JWT for user authentication. It can be seen live at: www.boutsacado.com.

AutoCAT
Software & Automation

A program based on the Selenium API to perform tasks in the browser, and Gooey for simple GUI creation. It utilizes XPath HTML locators to target form elements, and to determine the site's loading state. Additionally, it posts vendor account information to a Mongo Atlas database, and creates a vendor's category in an average execution time of 35-40 seconds, increasing efficiency by over 60%.

Deep Learning Chatbot
Machine Learning

An application with the objective of answering common support questions posed by users. This project implements the basics of deep learning by using Tensorflow, Keras, and scikit-learn to generate responses to user intent. Given the current dataset the chatbot can relay helpful information to assist a user with logging in, resetting their password, or filing complaints.

SKILLS

Technical ⚙

Python (NumPy, pandas, scikit-learn, Django, Flask, CircuitPython, MicroPython)

JavaScript (Node.js, React, Express, axios, Johnny-Five)

Databases (PostgreSQL, MySQL, MongoDB)

HTML & CSS (Tailwind, Bootstrap, Bulma)

Electronics (C++, Raspberry Pi 3, Arduino)

Professional 👤

Analytical & Problem Solving Skills

Leadership & Project Management

Planning & Detail-oriented

EDUCATION

B.Sc. in Mathematics

University of Mount Union
Magna Cum Laude
Alliance, OH
Aug. 2015 - May. 2019

LANGUAGES

English (Native)

French (Intermediate)

INTERESTS

Blockchain & IoT

Teaching & Curriculum Development

Algebraic Structures & Probability

PC Gaming & Virtual Reality