Braden Stitt

Education

Bachelor of Science, Computer Science. GPA: 3.66 **Expected Graduation: December 2024**
California State University – Bakersfield, CA.

Courses: Data Structures & Algorithms, Discrete Mathematics, Computer Architecture and Assembly Language, Intro to C++.
Activities: Social Chair of CSUB Black Student Union – initiated, maintained, and developed the Black Leadership Council.

Experience

California State University - Bakersfield – Bakersfield, CA. August 2022 - Current
Computer Science Tutor

- Instructed up to 30 students a week on facets of C++, from basic concepts, to OOP, data structures, and algorithms
- Learned to better explain technical concepts, gave detailed feedback and have a **98% rating** from my students.

State Farm – Bakersfield, CA. Aug 2021 – Aug 2022
Insurance Representative

- Created a python script which scraped leads' emails from an list of prospects into a CSV file, and would iterate through the file emailing all the leads within the CSV.
- Increased Agency's rating for Raw New Auto sales from bottom half to top 10% of earners in the region.

Projects

Cryptocurrency Price Tracker Web App – GitHub October 2022

- Created a cryptocurrency price web app in Python using the Binance **API** and Streamlit.
- Real-time cryptocurrency price was retrieved via the Binance **API** and displayed in the web app that is built using the Streamlit library in Python.

Sudoku Solver GUI – Github October 2022

- Created a sudoku solver **GUI** implemented using Python and Tkinter.
- Takes in an incomplete sudoku puzzle from the user and solves the puzzle in seconds using a **backtracking algorithm.**
- Has a clear button to easily reset the board.

Automated-Email-Script – Github September 2022

- Created an email script for automating email sending via a an Excel spreadsheet in CSV format using Python.

Credit Card Validation System – CSU Bakersfield April 2022

- Designed and implemented a program that accepts a credit card number from the user and determines if it is an AMEX, MasterCard, or VISA using C++
- Implemented a validate function to determine if the credit cards are not expired and the CCV is correct
- Implemented a function using the **Luhn algorithm** that validates real-life applications of credit or debit card numbers to determine if a credit card is valid

Emergency Room Queue – CSU Bakersfield May 2022

- Designed and implemented a waiting room log for an Emergency Room using C++
- Implemented a priority queue linked list that enqueues new patients to the queue based on their pain index from 1 to 10

Programming Skills:, C++, Python, SQL

Other: Git, Jupyter, Django, Flask, Selenium, Postman, HTML, Linux OS, Microsoft Office, Excel

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