

# Robert Savage

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## Education

University of Memphis - Analytical Chemistry

Expected graduation: 2025

## SKILLS

Languages: Python, HTML, CSS, SQL, Javascript

Libraries: Pandas, Plotly, Matplotlib, Selenium, Requests, BeautifulSoup

Frameworks: Flask

Databases: sqlite3, mongodb

Tools: Git, Heroku, Bootstrap

Other: Azure MySQL, Azure VM, Azure webapp, Power Automate, Power BI, Microsoft Admin, Asana, Google AppSheet, Excel

## EXPERIENCE

### UOB, Sacramento— *Operations / IT*

September 20th 2021 - PRESENT

- Created a Azure mySQL database for the company to store POS data, using a python script to upload that data automatically every night.
- Created an Azure webapp API to connect the Azure mySQL data to our employee portal so employees can get real time access to performance and managers can quickly access performance of all employees in their location.
- Worked with the COO to develop and implement new systems as well as help layout and set up new restaurants POS, Wifi, TV, Server rack, etc..
- Developed and designed a new menu website combining 5 websites for different locations into 1 website using javascript and url redirects to change the menu for each specific location
- Developed and managed a once a year subscription service using zapier, mailchimp, google sheets, and simple texting to generate \$70k + profit for the company in the span of 3 months.
- Setting up systems with API integration to effectively get report data, as well as improve the speed of our automated systems.
- Developed a program to automate the creation of employee reports using Python, Pandas, and Xlwings.
- Developed an app using Google AppSheet to track employee absences, and action plans, with personalized manager views and logins for all 5 store locations.

## PROJECTS

### Discord Bot — *Python / MongoDB*

The discord bot is a text based RPG in discord.

- Built a MongoDB database to store user information and keep track of character progression and items gained.
- Generate pictures of character models, reading from MongoDB to find the armor the user is wearing and generating the correct outfit for the user by manipulating different images.
- Developed an algorithm for player vs player battle and simulating a fight.

### TV Show Recommendation Website — *Python / javascript / HTML / CSS*

- Used Python Request library to scrape data of 14,000+ shows and store the data in a csv file.
- Using Sklearn I used machine learning to take in user input such as key words or sentences and compare it across all titles, descriptions, and genre tags to find the users best fit.
- Using Javascript I made the website more of a late night themed website using Particales.JS to simulate light particles and creating a flashlight effect around the cursor.

## Portfolio Website

<https://robertsavageportfolio.com>

