# MARCUS **CHONG**

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## EDUCATION

**University of Colorado Boulder** - BA, Computer Science | Minor, Business Administration
Aug 2019 - Dec 2023

## PROJECTS

### Spotify Visualize

Created a dynamic web app for visualizing personalized user data from Spotify. Allows users to view their top artists, top tracks, and information about a playlist's tempo, danceability and energy.
**Built with React, Express, Node.js, and the Spotify API.**

### USPS Data Analysis

Performed data analysis on two sets of experimental data used for tracking USPS shipments in order to find the data structure that yields the most ideal balance in run-time performance while creating visualizations for the data.
**Built with Python.**

## EXPERIENCE

### Hewlett Packard Enterprise                          June 2022 - Aug 2022
*Software Engineer Intern*

- Built cloud-based SlackBot which automated storage of pipeline test results for situational awareness and trend analysis by offering UI and command line utility for **300+ engineers** while migrating process from Excel to AWS.
- Configured API PUT method enabling the creation and update of test results in DocumentDB using AWS Lambda.
- Led the presentation and communication of project to organization and upper management.

### CU Boulder Aerospace Studies                          Oct 2021 - Dec 2021
*Software Engineer Intern*

- Engineered user interface and SQL database of mental wellness web app for over **250 Air Force ROTC students** in order to gather data and create insights on mental health.
- Led development as a **head developer** and made key design decisions for a team of 3 developers using Agile.

### Hana Japanese Bistro                          May 2019 - May 2021
*Technology Manager*

- Proposed change to restaurant hours by analyzing DoorDash data which demonstrated high opportunity costs for lunch hours. **Resulted in a reduction of company costs by 10% within one week.**
- Innovated my family restaurant by developing an improved restaurant website with an emphasis on customer usability in order to transition to an online and take-out centric business amidst the pandemic.

## SKILLS

**Languages:**    C++, C, Python, Java, HTML, CSS, JavaScript

**Technologies:**    MySQL, PostgreSQL, Tableau, React, Node.js, Express, AWS (Amazon Web Services), Docker, Git