

# SOPHIE CHANCE

sophiechance.com | linkedin.com/in/sophiechance | github.com/sophie2chance2

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## EDUCATION

### Master of Information and Data Science

Expected: May 2025

University of California, Berkeley

GPA: 4.0

Relevant Courses: Data Science Programming, Data Engineering, Statistics for Data Science, Research Design

### B.S. Management Information Systems

May 2021

Minor in Electrical Engineering

Cum Laude

San Diego State University

Relevant Courses: Data Management Systems, Computer Organization, Calculus (I, II, III), Programming, Linear Algebra

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## SKILLS

### Programming

Python

SQL

R

HTML, CSS, JavaScript

### Data

Data Extraction/Cleaning

Data Analytics

Data Visualization

Data Architecture

### Professional Skills

Communication

Team Leadership

Project Management

Problem Solving

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## WORK EXPERIENCE

### Data Analyst

Sept 2020 - Present

CourseKey

- Architected the analytics framework from scratch as the sole analyst for scalable business solutions.
- Integrated data from 11 sources using Python, SQL, and AWS Lambda for daily real-time insights.
- Crafted 450+ reporting metrics, transforming data into actionable insights for executive decision-making.
- Managed and optimized data processes in Hubspot CRM, ensuring efficient workflow integration.
- Analyzed primary SaaS metrics, identified market segments, and strategized sales and product implementations.
- Engineered an automated data ecosystem, incorporating system-to-system comparison checks to ensure data accuracy and integrity.

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## PROJECTS

### Retention Analysis

2023

Leveraged Machine Learning to forecast student retention outcomes, assessing the likelihood of dropouts or graduations.

Libraries: pandas, numpy, sklearn, seaborn, matplotlib, mysql

### GPT Notetaker

2023

Developed a system utilizing the GPT API to transcribe and annotate class transcripts for a Research and Design Course.

Libraries: openAI, re, pyPDF2, re

### Sync Analysis

2023

Designed a Python and SQL-based tool to synchronize and validate data across four systems, ensuring data consistency.

Libraries: pandas, numpy, requests, datetime, hubspot, json

### Personal Website - [sophiechance.com](https://sophiechance.com)

2022

Crafted a digital portfolio showcasing projects, resume, and professional experiences using web technologies.

Languages: HTML, CSS, Javascript

### 2020 Presidential Election Twitter Bot Analysis

2021

Conducted an in-depth analysis of 7,500+ tweets to differentiate bots from humans and identify their political leanings.

Libraries: pandas, NLTK, Tweepy API, Botometer API

### Somnia Sleep Technology

2017 - 2020

Innovated a temperature-sensing blanket to optimize user comfort, a startup initiative incubated at SDSU's ZIP Launchpad.