

Christopher MacMaster

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

CAREER SUMMARY

Experienced data engineer and software developer with expertise in building scalable systems, analyzing complex datasets, and developing full-stack applications. Skilled in Python, SQL, and JavaScript, with a proven track record of delivering actionable insights and impactful solutions. Thrives in collaborative, agile environments and aims to empower others through mentorship and knowledge sharing.

EDUCATION

App Academy

October 2022 - May 2023

- Full-stack web development bootcamp prioritizing software engineering best practices.
- Covered data structures and algorithms, object-oriented programming (OOP), and test-driven development (TDD).

Harvard College | GPA: 3.78

August 2015 - May 2019

- Relevant Coursework: Survey Research Methods, American Public Opinion, Modern American Political Campaigns, Progressive Alternatives.

EXPERIENCE

Data Engineer *Civera*

November 2023 – Present

- Developed and maintained scalable data pipelines to analyze complex political datasets for actionable client insights.
- Built Python scripts to clean, normalize, and aggregate data in a variety of formats, ensuring data quality and consistency.
- Created and maintained documentation for existing and new transformation processes.

Data Analyst - *Socialsphere*

January 2020 - February 2022

- Charted successful course of programming and fielding public opinion surveys utilizing CMIX.
- Monitored surveys in the field to ensure timely, representative samples are collected for weighting.
- Drafted memos and Powerpoint presentations on topics spanning lottery sales to candidate horse races.

Polling Intern - *EMC Research*

May 2018 - August 2018

- Analyzed complex datasets utilizing SPSS and created client deliverables such as topline reports.
- Designed and edited client presentations utilizing Powerpoint and Excel.

SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS

Frameworks/Tools: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL

Key Skills: Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Scrum Methodologies

PROJECTS

GroupUp

[live](#) | [github](#)

GroupUp is an Overwatch-themed social media application modeled after the site Meetup.

- Utilized a PostgreSQL database to store data on groups, events, and users, as well as relationships between those resources in order to allow users to manage their joined groups and events.
- Implemented Flask as a backend framework to facilitate queries to the database.
- Used React on the frontend to construct a dynamic website that updated the display without reloading the webpage.

Spacey

[live](#) | [github](#)

Modeled after the shopping site Etsy, users can buy and sell space themed merchandise.

- Utilized Github to work on a separate product feature branch with a team of other developers on their own branches.
- Used a Scrum framework to facilitate an efficient workflow. Participated in daily standups and communicated over Discord.