

# Roberto Rodas-Herndon

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## EXPERIENCE

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### Associate Data Scientist

Aug 2024 – Present

*Public Service Enterprise Group*

*Newark, NJ*

- Contributed to projects that saved a particular division over 9,000 labor hours & more than \$500k in avoided labor costs. Also co-taught the technologies we use to over 70 non-technical employees across the enterprise during 3 different live training sessions.
- Automated data extraction workflows by developing 6 Python scripts in collaboration with my colleagues to reduce the manual effort of the report development process, allowing for more focus on report accuracy & strategic analysis. Augmented the efficiency & legibility of the code with the assistance of AI-powered digital assistants like Copilot.
- Built 10 interactive dashboards for 9 departments, integrating data from AWS Redshift, OData, and 3rd-party APIs, enabling leadership to track KPIs & identify trends to enhance strategic decision-making & reduce costs across the enterprise.

### Data Engineer

Jan 2023 – Dec 2023

*PowerOptions*

*Boston, MA*

- Wrote 3 Python scripts alongside the U.S. Department of Energy's B.E.T.T.E.R. API to conduct an in-depth analysis of GHG emissions across 64 of our clients' properties in Massachusetts.
- Visualized historic energy usage by creating 8 dashboards to gather insights about the energy consumption of the properties of our various clients to forecast their progress towards carbon neutrality.

### Software Engineer Intern

May 2022 – Aug 2022

*Pinterest*

*San Francisco, CA*

- Worked alongside 6 other more senior engineers to iteratively complete this project and tracked progress using Atlassian Jira & maintained version control using Git. Also collaborated with our UX designer & lead Frontend engineer using Figma, HTML, CSS, & Bootstrap to create dashboard illustrations that provide critical business information and to provide a more interactive experience.
- Connected to an Elasticsearch database to populate the Observability team's site with JSON data to provide real-time information presented on over 100 different analytical dashboards.
- Implemented 5 different features in Pinterest's Observability team's codebase using JavaScript with React.js & Python with Flask to help better visualize & understand performance analytics of several-dozen software projects undergoing testing on a daily basis. Engineers used these features to assess the impact of programs before being pushed into production & to better navigate our site's UI with ease.

## EDUCATION

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### Boston University

Boston, MA

*B.A. in Computer Science, Minor in Business Administration — GPA: 3.5*

### Saint Peter's Preparatory School

Jersey City, NJ

*High School Diploma — GPA: 3.7*

## PROJECTS

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### Habit Tracker | *HTML, CSS, JavaScript*

- Developed & published a web app to allow me to be consistent with the new habits I'm implementing in my life.

### Pomodoro Timer | *HTML, CSS, JavaScript*

- Developed & published a chrome extension to keep track of periods of time to complete work paired with sufficient amounts of rest to be more productive day to day.

### Singify | *React.js, Node.js, Express.js, MongoDB*

- Developed a full-stack app with other CS students where users are able to retrieve lyrics of their favorite songs using the Spotify, SongKick, & Lyrics.ovh APIs.

## TECHNICAL SKILLS

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**Languages, Frameworks, Libraries:** Python, JavaScript, SQL, Flask, React.js, Node.js, Bootstrap, HTML/CSS

**Tools:** Power BI, Git, Jira, Postman