

# Roberto Rodas-Herndon

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## EXPERIENCE

<b>Associate Data Scientist</b> <i>Public Service Enterprise Group</i>	Aug 2024 – Present Newark, NJ
<ul style="list-style-type: none"><li>Contributed to projects that saved a particular division over 9,000 labor hours &amp; 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.</li><li>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 &amp; strategic analysis. Augmented the efficiency &amp; legibility of the code with the assistance of AI-powered digital assistants like Copilot.</li><li>Built 10 interactive dashboards for 9 departments, integrating data from AWS Redshift, OData, and 3rd-party APIs, enabling leadership to track KPIs &amp; identify trends to enhance strategic decision-making &amp; reduce costs across the enterprise.</li></ul>	
<b>Data Engineer</b> <i>PowerOptions</i>	Jan 2023 – Dec 2023 Boston, MA
<ul style="list-style-type: none"><li>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.</li><li>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.</li></ul>	
<b>Software Engineer Intern</b> <i>Pinterest</i>	May 2022 – Aug 2022 San Francisco, CA
<ul style="list-style-type: none"><li>Worked alongside 6 other more senior engineers to iteratively complete this project and tracked progress using Atlassian Jira &amp; maintained version control using Git. Also collaborated with our UX designer &amp; lead Frontend engineer using Figma, HTML, CSS, &amp; Bootstrap to create dashboard illustrations that provide critical business information and to provide a more interactive experience.</li><li>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.</li><li>Implemented 5 different features in Pinterest's Observability team's codebase using JavaScript with React.js &amp; Python with Flask to help better visualize &amp; 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 &amp; to better navigate our site's UI with ease.</li></ul>	

## EDUCATION

<b>Boston University</b> <i>B.A. in Computer Science, Minor in Business Administration — GPA: 3.5</i>	Boston, MA
<b>Saint Peter's Preparatory School</b> <i>High School Diploma — GPA: 3.7</i>	Jersey City, NJ

## PROJECTS

<b>Habit Tracker</b>   <i>HTML, CSS, JavaScript</i>
<ul style="list-style-type: none"><li>Developed &amp; published a web app to allow me to be consistent with the new habits I'm implementing in my life.</li></ul>
<b>Pomodoro Timer</b>   <i>HTML, CSS, JavaScript</i>
<ul style="list-style-type: none"><li>Developed &amp; 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.</li></ul>
<b>Singify</b>   <i>React.js, Node.js, Express.js, MongoDB</i>
<ul style="list-style-type: none"><li>Developed a full-stack app with other CS students where users are able to retrieve lyrics of their favorite songs using the Spotify, Songkick, &amp; Lyrics.ovh APIs.</li></ul>

## TECHNICAL SKILLS

**Languages, Frameworks, Libraries:** Python, JavaScript, SQL, Flask, React.js, Node.js, Bootstrap, HTML/CSS  
**Tools:** Power BI, Git, Jira, Postman