Mission:
ZERO's mission is to accelerate the transition to sustainable living by enabling hassle-free retrofits to affordably electrify and decarbonize residential buildings. Buildings are the largest source of carbon emissions in the US — emitting 20% of all GHG emissions across 65 million single family homes. Simply put, it's too complicated of a problem for homeowners to navigate and this has prohibited them from taking action. To decarbonize this sector, we need to remove these barriers for homeowners at scale and enable everyone to quickly and easily take action.

Approach:
ZERO's approach is to leverage technology to simplify the traditionally manual assessment and retrofit planning process. We've built software that can put a plan into homeowners hands in minutes, helping them understand what they need to do and what it's going to cost to get the work done. We are working on a novel data collection solution that leverages the latest technologies to help us automate data collection at the home, which allows us to simplify the customer experience and provide an incredibly scalable service. But moreover, we're providing this data to the service providers in the ecosystem to help them improve their workflows and increase productivity. We're providing the entire ecosystem with the best possible information to get these projects done faster and in the simplest possible way, helping launch homeowners into action.

About Us:
Grant Gunnison, CEO | B.S & M.Eng, MIT, CPHC. Previously, Lead Electrical Engineer developing small satellites at NASA, and President of a construction firm doing energy efficiency work.

ZERO was born out of the MassCEC Triple Decker Competition -- a competition to design a net zero retrofit -- where our team won both the Student Prize and Audience Choice Award for our design. Since then we have built a software system to automate the design of these retrofits and are actively deploying our software with customers. We were also recently one of the five companies accepted to the Healthy Buildings Challenge out of 100 applicants to help further accelerate the deployment of our software.

Who we are looking for:

Software Development Intern:

The expected focus areas for summer projects are as follows:

- Building data aggregation and integration
- Real-time product pricing aggregation
- Building Model Generation
- Retrofit plan optimization
- UI/UX development

Responsibilities & Expectations:

This is a full time position and Interns will be expected to work 40 hours a week for at least 12 weeks during the summer. Each intern will be assigned a project with weekly deliverables defined by the project scope and their capabilities. It is our expectation that this internship will be a learning experience and our goal is to provide a constructive structure and challenging project for each intern to work on this summer.

Required Skills:

- Software Dev. experience - substantiated by significant coursework or personal projects.
- Fluent in Python and/or Javascript
- React/Django or Flask

Additional Desired Skills:

- Energy efficiency or building science background
- Data science & strong math background or coursework
- Experience developing, training and deploying NN or other AI/ML models
- Web development or UI experience
    - Experience designing retrofit solutions for buildings.

Compensation - Negotiable, but would anticipate ($16-30/hour or salaried)

If interested, please contact: info@retrofitzero.ai