

energyStartup 2015 Summer Internship Position

Company name: AutoGrid Systems, Redwood Shores, CA

Description of position:

The trillion dollar energy industry is in the midst of its largest disruption in over a century, and as a leader in Big Data Analytics, AutoGrid is at the forefront of driving this transformation. AutoGrid, a Stanford funded startup with deep roots to the university's TomKat center, is growing rapidly and is working with some of the largest energy companies across the globe on their highest value problems.

We are seeking Data Science, Big Data, Software Development, and Business School students to become part of our highly successful internship program, for the Summer 2015. Over a 10+ weeks internship, you can expect to become an expert in one or more areas of energy industry where big data and cloud computing is causing disruption. You will gain valuable experience working with some of the largest data sets available in the industry, implementing user features and analytics model that will get deployed in production at scale, or help some of the largest energy companies on mapping their highest value business problems to new datasets or new business models. The role will be dynamic and varied giving you a broad exposure to industry's latest trends, and therefore requires a versatile self-starter willing to dive into multiple initiatives.

Our goal is to give you exposure to a range of current Big Data and server-side cloud based software application technologies, through a project that is meaningful to AutoGrid's mainstream business and has high visibility throughout the organization. AutoGrid will assign a mentor to each individual intern and provide continuous feedback and review to ensure you have a productive and satisfying summer experience. <http://www.auto-grid.com>

An article about AutoGrid on Stanford's Energy Club site from one of our 2014 Stanford interns: <http://goo.gl/S5Z26m>

Who should apply:

If you are passionate about making the world's energy systems more sustainable and would get a thrill in:

- + Applying state-of-the-art software engineering, machine-learning and Big Data techniques to solve problems that will have a lasting impact
- + A collaborative, close-knit environment
- + Working with a really smart (Stanford, MIT, Berkeley) and fun group of people in solving BIG problems for a GIGANTIC industry
- + Developing real world applications in Python, Ruby and Java and putting them in production use, at scale.

Then: Come work with AutoGrid – a fast paced, high growth start-up conducting Big Data analytics for the smart grid and transforming the way in which energy is consumed. Our product is an Energy Data Platform that processes real-time information from connected nodes on the power grid, such as smart thermostats, electric vehicles, solar and wind. The Energy Data Platform supports Applications that help utilities, facilities, and individual energy customers to make better use of their existing resources, which reduces carbon, improves reliability, and curbs costs.

Required expertise:

Experience in one or more of the following:

Python

Ruby-on-Rails

Spark / Hadoop / HBase

SQL

Big Data analytics

Algorithms in machine learning and econometrics: e.g. generalized linear models, support vector regression, time series regression, anomaly detection, neural networks

Experience in energy and electric utilities is a plus

Preferred skills/Majors:

For technical roles, the ability to code is a must.

For business roles, the ability to create models with multi-dimensional datasets, and familiarity with the energy industry is a must.

Internship term: 10 - 12 weeks

Compensation: \$4000 - \$5500/month based on business/technical role and level of education