



Imprint Energy Battery Data Engineer / Scientist *12-Month Fellowship*

About Elemental Excelserator

[Elemental Excelserator](#) helps startups change the world, one community at a time. Each year, we find 15-20 companies that best fit our mission and fund each company up to \$1 million to improve systems that impact people's lives: energy, mobility, water, agriculture and beyond. To date, we have awarded more than \$30 million to 80+ portfolio companies and funded more than 50 demonstration projects alongside our portfolio companies and local businesses.

In addition to funding startups, we have also supported more than 25 interns and fellows since 2012 to help the next generation of innovators grow and succeed. Imprint Energy is a part of our seventh cohort and we will be funding this fellowship position.

About Imprint Energy, Inc.

[Imprint Energy](#) is developing new battery technology that aims to power billions of connected devices and sensors. Its products will enable the proliferation of powered Internet of Things devices. Imprint Energy has developed a technology to print ultrathin, flexible, safe batteries for smart labels, smart pill bottles, smart band aids and more. The company and its manufacturing partners are scaling up its operations to print thousands of batteries at a time.

Imprint has received recognition for its thought leadership and accomplishments: MIT Technology Review Innovators under 35, 50 Smartest Companies, and multiple Best Product and Innovation awards.

Scope of Work

Imprint Energy is in search of a Battery Data Engineer or Scientist with a passion for uncovering impactful information hiding in large data sets. The fellow will be working alongside the Imprint Energy team to collect, navigate, and analyze data to find statistically relevant correlations and key insights. Furthermore, the data collected and analyzed will be used to empower Imprint Energy to make high quality batteries with little to no failures and advance Imprint's products from novel applications to large-scale production.

There are three primary projects that have been designed and scoped for this fellowship opportunity.

1. Data analysis and modeling
 - Perform data analysis and statistical analysis on material, process, and battery data
 - Develop predictive models for failures and reliability based on existing data
 - Create intelligent algorithms to predict or detect quality issues
2. Create or introduce software tools, platform, and infrastructure to enable effective, efficient, and user-friendly data analysis for all users.
 - Write software and scripts to automate data gathering and analysis
 - Create a platform that signals a bad product before we find out that it's a bad product
 - Visualize data for storytelling and communicating key company messages
3. Other duties as assigned

Fellowship Details

- Compensation: \$25.00 per hour
- Schedule: June 10, 2019 to June 10, 2020
- Hours: Approximately 40 hours per week
- Location: Bay Area, California

Required and Preferred Qualifications

- BS in a quantitative field - Computer Science, Engineering, Statistics, Mathematics, Economics, or related field
- Experience in:
 - SQL/Relational databases
 - Applied statistics and statistical modeling with proficiency in statistical software packages like JMP
 - Programming language and scripting across different software platforms
 - Working with large amounts of data
 - Data visualization tools
- Detail oriented
- Ability to work and communicate with a small team in a dynamic, fast-moving environment with minimal supervision
- Desire to learn about batteries, their properties, performance metrics and test methods

How to Apply

Please provide your cover letter, resume, and field related/technical experience into one pdf document and email to hello@elementalexcelerator.com with the subject title: IMPRINT ENERGY – Battery Data Engineer/Scientist Fellow.