



Shifted Energy
Elemental Excelsator
2018 Fellow

About Elemental Excelsator

Elemental Excelsator is a nonprofit created in collaboration with Emerson Collective, an investment and philanthropic platform. Elemental Excelsator works collaboratively with Emerson Collective's Elemental practice, which focuses on strengthening the relationship between humanity and nature through scalable, equitable, and innovative solutions. We are funded by the U.S. Navy and a diverse coalition of utility partners, corporate partners, the U.S. Department of Energy, state government, and philanthropic organizations. Our goal is not only to curate a portfolio of innovative and impactful startups, but also to build an ecosystem of passionate people working to change the world, one community at a time.

Shifted Energy is one of our portfolio companies and in continuing to support their work in the community, we are funding this position.

About Shifted Energy

We build proprietary controllers & software to retrofit electric water heaters into flexible demand assets that help utilities stabilize their grids while accelerating the integration of intermittent wind and solar power generation. By dramatically shifting load, we help grid operators forego costly upgrades to peaking plants and legacy assets. By partnering with Shifted Energy, you can help the State to realize its goals of achieving a 100% renewable energy portfolio by 2045.

Associate Applications Engineer

The Associate Applications Engineer interfaces with Sales, Marketing, Product, Test and Design Engineering with a focus on customer application design and collateral related tasks for new and existing products. The position is in the technology group which specializes in hardware and software engineering.

- Support the team with designing evaluation kits with controller/software which will be used by customers to evaluate hot water heater control products.

- Perform tests with pilot projects to help inform design elements, develop feedback mechanisms with technology group.
- Assist in software and firmware development
- Direct contact with customers and field application engineering staff for creating design solutions and troubleshooting system design problems.

Qualifications:

- Graduate degree candidate in Computer Science or Engineering
- Coursework in computer science, data science, machine learning, or electrical engineering.
- Proficient in at least one of the programming languages: R, Python, Java, PHP, or C++
- Excellent writing, technical drawing and verbal communications skills
- Ability to work 40 hours per week during semester courses
- Must have positive team attitude and the willingness to work in a startup, early stage company environment which requires flexibility.

Details:

- Pay: \$23.00 per hour
- Hours: Approximately 40 hours per week
- Schedule: Starts June 18, 2018 through June 18, 2019
- Location: This position is based on O'ahu

To Apply

Please email your cover letter and resume to Elemental Excelsator Education and Community Manager, Elena Farden at elena@elementalexcelerator.com with the subject header: Shifted Energy Fellow Application.