Active Energy Systems
Mechanical Engineering Intern
Knoxville

About
Active Energy is commercializing an advanced building cooling system through its innovation in ice thermal energy storage. Traditional centralized building cooling systems are expensive and offer no resiliency to blackouts. Active Energy's system address both these challenges while promoting the deployment of clean renewable power as a consequence. Currently, the team is at the small-scale product demonstration stage.

Intern roles and responsibilities
A small-scale demonstration of our new cooling system is being planned for the summer of 2020. The demonstration cooling system will require someone to develop and tune its controls for semi-autonomous operation.

Your project will be to develop this control system. You will be fully supported by the team as you lead this development.

Required qualifications
- Experience in microcontroller programming
- Knowledge in Labview/Python or equivalent
- Ability to lead tasks

Preferred skills
- Knowledge in fluid dynamics, thermodynamics and heat transfer
- Understanding of building HVAC systems
- Demonstration of creative problem solving
- Previous research experience