



R&D Position for Electrical/Computer Science Engineer **To Develop an Innovative Microgrid Energy Management Software**

Job Description:

Implement an innovative Microgrid Energy Management solution to optimize the use of various battery technologies in a grid-connected solar PV and battery system. The Microgrid Energy Management solution strives to lower the user's electricity bill through peak shaving and to provide Demand Response to Independent System Operators and municipal utilities. Combining artificial intelligence, big data, predictive analytics, and energy storage solutions allows a Microgrid Energy Management solution to increase energy efficiency and drastically decrease electricity bill costs through optimal battery operation and demand-side load management while also promoting the integration of renewables and energy storage into the electric grid. Candidate must be self-motivated and capable of working on several projects simultaneously, supporting the electric/computer engineering aspects of other projects at BlazeTech. See www.blazetech.com for sample projects.

Requirements:

- B.S. or M.S. in Electrical Engineering or Computer Science
- Experience in AI related concepts, including deep learning, neural networks, data mining
- Strong understanding of the AI landscape and knowledge of existing/evolving technology
- Experience with classical control theory, model predictive control, dynamic programming
- Strong background in mathematics, statistics, and probability
- Experience in C, Python and/or other AI development tools and programming languages
- Must be US Citizenship (preferred) or Permanent Resident

Company Info:

Founded in 1987, BlazeTech is a leader in providing R&D, product development and computational services in energy, environment and safety for civilian and military applications. Over the years, we have developed numerous innovative and cost-effective solutions for many problems of national importance.

BlazeTech is a half-way house between academia and industry that bridges the gap between theory and practice. Our projects include multi-disciplinary, cutting-edge work in technical areas with high potential for market impact. We perform work similar to the R&D department of a major company but our flexibility allows us to be more responsive to client needs and current issues. We work on each technology from conceptualization, to proof of concept testing, development and commercialization. For the self-motivated, the opportunities for innovation and achievements abound. Salary is negotiable and depends on experience. BlazeTech offers competitive pay, an excellent benefits package and a dynamic and friendly work environment.

Please email resume to office@blazetech.com. No unsolicited phone calls please.