

R&D Position for Aerospace, Mechanical and Chemical Engineers

BlazeTech Corporation has full-time openings for BS (with experience), MS and PhD graduates in Aerospace, Mechanical and Chemical Engineering.

Jobs Descriptions:

Investigation of safety issues in aircraft, missiles, UAVs and vehicles for both military and commercial applications. Testing and modeling various failures scenarios including mechanical, fire and explosion. Formulation of large-scale tests in national test facilities to obtain data for model validation.

Requirements:

- Relevant coursework or experience in Combustion, Kinetics, Chemical Thermodynamics, Reacting Gas Dynamics and Heat Transfer
- Strong emphasis in analytical methods (CFD background is desirable)
- Willingness to work on a wide spectrum of R&D projects both independently and in a team
- Strong written and verbal skills
- US Citizenship (preferred) or Permanent Residency to satisfy ITAR requirements.

General:

Founded in 1987, BlazeTech is a leader in providing R&D, product development, engineering and computational services in environmental safety and energy for civilian and military applications. Our core competencies are in aerospace, mechanical, chemical, environmental and fire protection engineering. We are motivated to solve complex problems involving extremely hazardous materials and scenarios for which text-book solutions are not available. Our mission is to apply science and engineering know-how to the development of timely and cost-effective solutions to such niche problems. Our vision is a world protected from adverse impacts to life, property, and the environment. Sample accomplishments include:

- Modeling of UAV failures and hazards
- Forewarning about fire/explosion in aircraft fuel tanks under accidental and combat conditions
- Measurement of hot surface ignition temperatures of fuels
- Development of innovative dust filter for space applications
- Development of innovative technologies for hypersonic vehicle and spacecraft
- Scaling the cookoff of explosives and propellants
- A unique software for atmospheric dispersion of reactive chemicals
- Offering a unique annual professional course on Aircraft Fire Hazards, Protection, and Investigation

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 current issues, and work closely with our clients. For the self-motivated, the opportunities for innovation and achievement abound – all the way from project conceptualization, proof-of-concept testing, modeling and simulation, expert witness services, prototype development, and commercialization. Over the years, we have developed innovative and cost-effective hardware and software solutions for many problems of national importance. We retained ownership to some of these products and consider them company assets to be commercialized. Commercialization is accomplished through licenses, strategic partnerships and launching of operating companies.

BlazeTech is an Equal Opportunity Employer. We will consider all applicants regardless of race, color, religion, sexual orientation, gender, national origin, veteran, or disability status. We offer competitive salaries and a benefit package that includes medical and dental insurance, 401k, and profit sharing. If you want to energize your career, explore the possibilities at BlazeTech, and send resume and transcripts to Human Resources at the email or address below.