



Development Engineer

REACTION ENGINES INC

Pioneering innovation. Seamless teamwork. Unparalleled skill.

Our people have always been our most valuable asset. They are brilliant problem solvers who believe challenges are opportunities. Reaction Engines takes pride in attracting the industry's brightest minds and it is their diverse sets of skills, personalities and experiences that will help us achieve our ambitious goals. Sound exciting? Then join us on our epic journey.

JOB SUMMARY

Responsibilities

- Perform engineering tasks in the design and analysis of advanced propulsion and thermal management systems.
- Perform engineering tasks in the development, fabrication, and testing of advanced propulsion and thermal management systems.
- Formulate and solve engineering problems independently with limited oversight.
- Develop methods for gathering design requirements, analysis inputs, and test procedures.
- Prepare technical reports and other required project documentation.
- Present results and reports to internal and external stakeholders as required.
- Develop, utilize, and improve company analysis tools, policies, and datasets.
- Support bid and proposal activities and other business development tasks as required.
- Performance of additional engineering or business support tasks as assigned.
- Coordinate work with interns, engineers, technicians, and administrative staff.

Basic Qualifications

- Bachelor's degree in Aerospace or Mechanical Engineering, Applied Physics, or other equivalent field of discipline from an accredited institution.
- Hands-on experience through lab research projects, project teams, prior internships, or work experience.
- Must comply with all applicable import and export control laws and regulations including, ITAR and EAR regulations.
- The ability to conform to U.S. Government space technology and advanced propulsion export regulations, applicant must be a U.S. citizen or lawful permanent resident of the U.S.



Desired Qualifications

- 2+ years related work experience with relevant industry or government agencies or a related Master's degree.
- Experience with designing, analyzing, and manufacturing aerospace components
- Experience in testing aerospace hardware, troubleshooting and redesign
- Experience in designing high pressure and high temperature components
- Experience in qualifying / certifying aerospace or aviation hardware
- Experience with CAD and other design and visualization tools
- Experience with CFD software: Star CCM+
- Experience with FEA software: SolidWorks Simulation, Ansys
- Experience with aerodynamics and/or cycle analysis of turbine and/or rocket engines
- Experience with thermal properties, calculations; combustion parameters
- Coding experience in any of: Matlab, Scala, Python, C/C++, Fortran

Skills & Behaviors

- Strong engineering/development skillset (design/development/mechanical & electrical)
- Practical mind-set, strong creative problem-solving skills and positive "can do" attitude
- Ability to think in an entrepreneurial way
- Self-motivated, driven, and able to work independently
- Effective oral and written communication skills
- Demonstrates behaviors consistent with Reaction Engines' core values:
 - Commitment
 - Innovation
 - Trust
 - Quality
 - Teamwork

EMPLOYMENT BENEFITS

- Career development and unshackled opportunities to tackle diverse challenges
- Exciting, diverse and fast-paced learning environment to master new skills
- Small, tightly integrated, high-performance team
- Individual accountability and power to influence future success
- Competitive medical, dental, and vision health plans
- 401(K) or Roth retirement savings options with a generous company match
- Generous paid time off in addition to paid holiday and sick leave
- Attractive 9/80 work schedule promotes improved work/life balance

ADDITIONAL INFORMATION

Experience Level: Professional – Engineer II (Level II)

Work Location: Littleton, Colorado, United States

Work Schedule: Our 9/80 work schedule features every other Friday off resulting in a 3-day weekend every other week.

Telecommuting: Company employees are enabled to often telecommute from home at the discretion of company management, business needs, and job role requirements.



Travel: Minimal travel required

Expected Salary Range: For Colorado applicants, candidates can contact careers@reactionengines.com

How to apply: Email a cover letter and resume to careers@reactionengines.com quoting US Job Development Engineer II

Closing Date: 05 April 2021

Reaction Engines makes employment decisions based upon the capabilities and merits of qualified candidates without regard to race, color, religion, gender, gender identity, sexual orientation, marital status, age, veteran status, disability status or other protected legal status.