Position Vacancy Announcement
Alaska Aerospace Corporation

Spaceport Operations Intern

Alaska Aerospace seeks a highly motivated individual for a
2020 Spaceport Operations Intern position

Alaska Aerospace Corporation (AAC) is a public corporation of the State of Alaska headquartered in Anchorage, Alaska that operates the Pacific Spaceport Complex – Alaska (PSCA) located on Kodiak Island, Alaska. AAC was created to take the lead in the development of the aerospace industry in Alaska and has conducted over twenty launches from PSCA since first becoming operational in 1998.

Position Description

Under direction of the President, the 2020 summer intern will perform spaceport-related technical and operations projects at Alaska Aerospace headquarters office in Anchorage, Alaska and conduct field work at PSCA. The functions of a spaceport operations intern consist of preparing and updating plans and spaceport-related documentation; visiting PSCA to work on infrastructure upgrade projects, launch system maintenance activities, and performing the daily duties like review of plans, budgets, and applications. Also, the intern may perform compilation of data and convert them into plans, make an estimation of the cost of materials and read and interpret technical documents. The selected individual should have the ability to apply engineering and/or scientific approaches to real-world space launch systems as well as understand the importance of and follow safety procedures as well as federal, state, and local regulations. A working knowledge of MatLab, understanding of orbital mechanics, experience with airport operations, and/or familiarity with rocket technology are a plus. Areas of activity will include, but not be limited to:

- Shadowing oversight and day-to-day control of AAC technical operations, with focus on systems engineering, in-the-field application, and project management of launch missions and the site;
• Hands-on work maintaining readiness and operability all range safety, telemetry, communications, and launch control center systems;
• Assist with developing designs and projects, as needed
• Assist with budgetary estimates of projects
• Assist with job tasks/work orders and tracks expenditures as may be required to complete Capital Budget projects or other tasks as needed
• Learn about the readiness and operability of hardware safety systems in use at PSCA.
• Draft technical reports and documentation to enable efficient launch customer interfaces, meet regulatory requirements, and communicate progress and outcomes of projects and spaceport capabilities.
• Participate in design reviews for facility and launch system changes; engineering budget planning, preparation, and control, to include an engineering estimate/review of costs and prices;
• Be available to assist maintenance personnel rapidly respond to and correct system malfunctions to support spaceport operations.

Strong written and verbal communication skills are required. The position requires interpersonal skills needed to work with a diverse team of AAC and customer personnel. The position requires familiarity with a broad range of commercial and light industrial hardware and electrical systems and practices associated with a launch facility. This is a multi-disciplinary position requiring interest and flexibility for hands-on technical operations.

The position is located in Anchorage, Alaska with extended periods of operations at PSCA in Kodiak, Alaska. It is a nominal 40-hour, 5-day workweek with occasional overtime.

Period of Internship

The successful candidate must be available to start no earlier than May 20, 2020 and no later than June 3, 2020 and be available to work through August 2, 2020.

Required Qualifications

• Under-graduate college student pursuing an engineering, mathematics, or hard science degree with a graduation date of May 2021 or later.
• Demonstrated strength in written and verbal communications.
• Proven ability to work well in an open team environment.
• Ability and willingness to work in a controlled hazardous environment with exposure to highly energetic materials and chemicals
• Working knowledge of Microsoft Office software required
• Must possess mobility to work in a standard office setting and use standard office equipment, including a computer; stamina to sit and to maintain attention to detail despite interruptions; may occasionally lift/carry/push/pull up to 40 pounds; may require minimal walking, climbing, stooping, crouching, and/or bending; and vision to read printed materials and a computer screen, and hearing and speech to communicate in person and over the telephone
• Willing and able to work overtime and shifts as required
Equal Employment Opportunity Statement

It is the policy of Alaska Aerospace to provide equal employment opportunity to all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

To Apply