

R2025593 Lunar Rover Flight Software Engineer

Research Engineer II

Chris Provencher – Hiring Manager

At NASA Ames Research Center in Silicon Valley, we are designing a Lunar prospecting mission to search for water ice in a polar region of the Moon. Join the Rover Flight Software team on NASA's VIPER mission to the Moon. The first planetary rover to venture into permanent darkness!

<https://www.nasa.gov/feature/new-viper-lunar-rover-to-map-water-ice-on-the-moon>

The Intelligent Robotics Group (irg.arc.nasa.gov) at the NASA Ames Research Center conducts aggressive research and development for robot missions on Earth and in space. This work supports a wide variety of NASA and non-NASA customers through direct technology delivery, field testing (in extreme environments and on the International Space Station), and deployment. Key work areas include autonomy, navigation, perception, and robot user interfaces.

This position is for a full-time robotics engineer to develop flight software for the NASA VIPER Lunar Rover.

Applicants should have a B.S. (or higher) in Engineering and at least 2 years of experience.

*****Must be US Citizen or Permanent Resident*****

Required Education, Experience, & Skills:

- Applicants should have a B.S. (or higher) in Computer Science or Robotics
- 2 + years of experience
- Strong background in robotics and/or distributed systems
- Strong background with embedded systems (Embedded Linux or VxWorks/PPC)
- Strong background in developing high-performance software, particularly with C/C++ and GNU tools under Linux
- Experience with robot and/or system software

Desired Skills:

- Core Flight Systems (cFS)
- Agile software development