Job Description
Engineering Intern – Nuclear Engineering

Atomos Space is a venture-funded startup in Denver, CO seeking to reduce the cost of access to space by developing orbital transfer vehicles (OTVs) to solve the “last mile” problem in Earth orbit. As an intern, you will assist with analysis and optimization of spacecraft nuclear power conversion options. This is a virtual internship, as the team is currently all working from home due to COVID-19. This may change, but the baseline internship will be remote. You may work from anywhere in the US, but the schedule will be based on Mountain Daylight Time.

Responsibilities

• Search literature for data on power conversion system masses and costs.
• Work with Atomos nuclear and systems engineers to develop Python modules for spacecraft level optimization.
• Writing Python code to model power conversion system masses and performance.
• Write reports on existing literature and model development progress.

Qualifications

• University coursework in Mechanical and/or Nuclear Engineering
• Coursework in fluid dynamics and heat transfer
• Current Junior, Senior, or grad student
• Experience coding in Python
• US Person*

Desired Experience

• Independent academic project, internship, or previous work experience in mechanical or nuclear engineering design/analysis
• Experience coding and data analysis in Matlab or other languages
• Knowledge of space nuclear systems
• Experience with any CFD code including turbulent flow
• Knowledge of reactor balance-of-plant and/or thermal hydraulics
• Turbomachinery design

Logistical Information

Start date: TBD (likely May 2021)
Duration: Flexible (3 months preferred)
Location: USA

Please submit resumes or CVs to lucas@atomosspace.com with the following subject line format: [Nuclear Internship] Last Name, First Name.

Cover letter is not required but preferred.
*NOTE: This position is subject to Export Control Laws (U.S. State Department regulations at 22 C.F.R. Subchapter M and the U.S. Department of Commerce's Export Administration Regulations found in 15 C.F.R. Part 730). If you are not (a) a citizen of the United States; (b) a lawful permanent resident of the United States; or (c) a person admitted into the United States as an asylee or refugee and wish to be considered for a position not subject to Export Control Law, please email info@atomosspace.com.