NovaSol, founded as Innovative Technical Solutions in October 1998, is an employee-owned aerospace/defense company headquartered in Honolulu with additional offices in San Diego. NovaSol offers leading-edge solutions, technology, and engineering to the DoD and industry in ISR and optical communications. NovaSol's core competencies are in sensors, optics, navigation and stabilization, spectral and spatial algorithms, onboard, real-time processing systems, and data analysis. NovaSol's current efforts are producing advances in HSI sensor and processor miniaturization, as well as compact free space optical communications.

**Internship Positions Available**

**Accounting Department Intern**
We seek an individual to help support with overall financial activities. Depending on the background, intern would perform tasks such as organizing historical filing, completing reconciliations, carrying out upkeep of the internal financial reporting system and revising financial models, as well as possibility of assisting with various audits which may occur from time-to-time. Background in Accounting or Business preferred, and experience in computer data entry and Microsoft Office is a plus.

**Software Engineer Intern**
We seek an individual to help support the software group. Depending on the background, the intern would perform tasks such as configuring the build environment, evaluate various vendors’ software tools, optimize existing C/C++ code for improved performance, and improve features in an existing graphical user interface, organize and analyze data, develop tools and algorithms, and documentation. Background in computer science, engineering, or mathematics preferred, and experience with C/C++, Java, Python, compilers, version control software, Make, Ant, and Microsoft Windows is a plus.
**Spectral Imagery Analysis I Intern**

We seek an individual to help support the spectral imagery analysis group. Depending on the background, the intern would perform tasks such as organizing and archiving large datasets of visible and infrared hyperspectral imagery, cataloguing data while providing relevant information such as collection location, targets of interest, time of day, atmospheric and surface conditions, etc. Depending on ability, possibility for creating web interface showing the geographic locations of datasets. Perform basic image analysis as needed. Background in computer/earth/physical sciences, engineering, or mathematics preferred, and experience with Matlab, ENVI, and Microsoft Office is a plus.

**Spectral Imagery Analysis II Intern**

We seek an individual to help support the spectral imagery analysis group. Depending on the background, the intern would perform tasks such as creating a spectral library of targets of interest from archived datasets, select pixels on targets of interest and extract spectra for further processing, apply calibration data as available to convert raw imagery to radiance units, obtain sunlight and atmospheric corrections as available to convert radiance to reflectance units, perform comparison of spectral library to published libraries. Background in computer/earth/physical sciences, engineering, or mathematics preferred, and experience with Matlab, ENVI, and Microsoft Office is a plus.

**OpComm Engineering Intern (Position Filled)**

We seek an individual to help support the optical communications group. Depending on the background, the intern would perform tasks such as assisting optical, electronic, mechanical, and/or software engineers engaged in research and development on advanced optical communications systems; conduct measurements; participate in field tests; organize and analyze data; fabricate electronic, optical, and mechanical subsystems; develop software, models, and algorithms. Background in engineering, physical sciences, mathematics, and/or computer programming and modeling preferred, and experience with C, C++, C Sharp is a plus.

**OpComm Lab Technician Intern**

We seek an individual to help support the optical communications group. Depending on the background, the intern would perform tasks such as performing general laboratory work for R&D optics/electronics laboratory, as directed by engineers and technicians. Background in engineering and physical sciences preferred. Basic electronics knowledge and/or experience with building cables, soldering/working with PCB’s, and general hands-on laboratory work are a plus.