

Summer Undergraduate Program for Engineering Research

The Earth Observing Laboratory (EOL) is committed to building a professional STEM workforce for future generations, and offers a unique experience with foundations in observational science and engineering to undergraduate students. EOL hires undergraduate engineering students who would like to gain skills and knowledge in the atmospheric sciences during the summer months for the Summer Undergraduate Program in Engineering Research (SUPER). SUPER interns work hand-in-hand with NCAR/EOL engineers and technicians on atmospheric observing systems and developments, including radar, lidar, and sounding systems and associated software developments. Interns may spend part of the summer participating in a field deployment, operating and supporting one or more EOL observing systems.



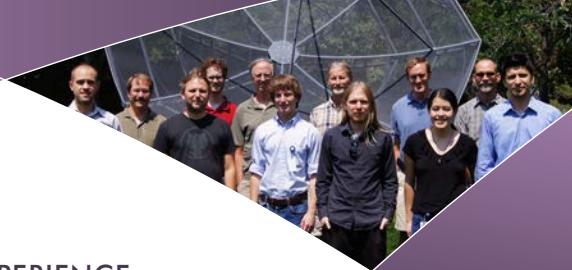
A SUPER intern works with one of EOL's electrical engineers to fix an electrical board.



EDUCATIONAL
OPPORTUNITY



Inspiring the next generation of observational scientists and engineers



GAINING PRACTICAL EXPERIENCE

While working at EOL, interns help develop new instrumentation and improve our existing suite of NSF/NCAR Lower Atmospheric Observing Facilities. Some internships offer the opportunity to gain practical field experience by operating and maintaining equipment during an NSF-funded research project.

Interns are encouraged to develop their own engineering solutions as they work with and are mentored by professional, experienced engineers and technicians. During the internship, interns have access to a large number of resources such as sophisticated testing and calibration instruments, technical documentation, and state-of-the-art fabrication capabilities.

I really enjoyed the actual writing of code and creating of applications that will really have scientific use. It's a good feeling to have created something useful from your own efforts.

- Stephanie Fawaz, 2012

WHO SHOULD APPLY?

EOL's mission primarily requires electrical, mechanical, optical, and computer engineering skills but we encourage all engineering students to apply. Undergraduate students enrolled at accredited U.S. colleges and universities are eligible to apply for SUPER internships. However, note that some projects may require that the intern be (a) a U.S. citizen; (b) lawfully admitted for permanent residence in the United States; or (c) a protected individual as defined by 8 USC1324b(a)(3).

EOL provides an hourly wage as well as travel support and housing while in Boulder and expenses in the field.

How Do I APPLY?

SUPER is open to undergraduate engineering students enrolled in an accredited U.S. university or college. The application can be found through the UCAR Career Opportunities website:

<https://ucarcareers.silkroad.com/>



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