



Required Skills/Experience

- Completed Sophomore level or above
 - Experience working in a team/collaborative situation
- Demonstrated self-motivation and intellectual curiosity
- Interpersonal communication (verbal and written)

Desired Skills/Experience

- Heat Transfer (Course work or experience)
- Thermal Modeling experience
- Surface Meshing experience
 - Experience using Solid Modeling tools such as ProE
 - Setting up CFD models preferably in Fluent or StarCCM+
- Programming experience such as MatLab

US Citizenship Required

Modeling Services Internship

ThermoAnalytics, Inc., a leading provider of thermal and infrared simulation software and services, seeks a highly motivated and technically driven Engineering student with an interest in heat transfer to join our modeling services team as an Intern. ThermoAnalytics engineers have developed many solutions that solve heat transfer and IR signature related problems. As a member of our team, you will be working directly with full time members of the modeling staff. Your daily activities during your time on our team will primarily involve the following:

Develop CAE based thermal and infrared signature models

- Construct surface mesh to represent object being modeled
- Collect material properties and boundary conditions to be assigned to model (online search, field tests, lab tests, contacting customer, etc.)
- Set up and run thermal/IR models in RadTherm/MuSES
- Write utility programs (MatLab, Perl, C++, etc.)

Field Testing

- Equipment calibration
- Data collection (Thermocouples, I-buttons, data logger, weather station, etc.)
- Data reduction

ThermoAnalytics' business culture mixes the intellectual excitement of leading edge technology with the simple values of its rural Midwest setting. A strong work ethic and sense of pride in producing high quality work is evident throughout the company. Employees in all company functions are actively engaged in the business and collaborate extensively to achieve our goals. The results oriented, yet informal atmosphere is typified by many of the perks including monthly breakfast, company picnics and luncheon celebrations. In addition, interns will benefit from paid holidays.

For more information regarding this position, or to submit a resume and cover letter, please contact careers@thermoanalytics.com.