



## ADVANCED COOLING TECHNOLOGIES, INC.

*Innovations in Action*

### Temporary Project Opportunity—Data Conversion Specialist

#### **WHO WE ARE:**

ACT is a premier thermal management solutions company with a focus on custom applications of two-phase heat transfer technology. With a diverse customer base, our innovative solutions can be found on US military bases, in large data security centers, renewable energy sources, medical testing and treatment facilities, and in space! We're proud of the work that we do at ACT and we're excited to invite you to join our team! Learn more about our cool business at [www.1-act.com](http://www.1-act.com).

#### **SUMMARY:**

This is a project-based, temporary position. The Data Conversion Specialist will work with the Product Development team members to program Microsoft Excel based physics models into more user-friendly configurations with a GUI and macros. These excel sheets are used by the engineering team to design complicated cooling systems that require multiple iterations and quick visualization of the variables being evaluated. A successful internship candidate will have significant Microsoft Excel and Visual Basic for Applications (VBA) experience as well as the ability to generate userforms and graphical user interfaces (GUIs).

#### **EDUCATION, SKILLS, EXPERIENCE:**

- Computer Science background preferred.
- Must have experience with Microsoft Excel and VBA
- Matlab and LabView programming experience are a plus
- Good attention to details
- Ability to work independently as well as a part of a highly technical team of engineers

#### **ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following:

- Using Microsoft Excel, program equations and iteration loops to solve systems of equations
- Program VBA macros to iterate variables and converge on solutions
- Program VBA or Excel Userform to create GUI for the user
- Comment and document the code for easy debugging and training
- Test to verify accurate conversion of information, troubleshoot any issues
- Integrate and consolidate existing macro and VBA based excel spreadsheets into new, comprehensive spreadsheets

#### **LOCATION:**

Advanced Cooling Technologies, Inc.  
1046 New Holland Avenue  
Lancaster, PA 17601

Hourly rate: \$25.00 per hour