

Job Title:	Programming/Engineer Intern	Job Category:	Research & Development
Department/Group:	Research & Development	Position Type:	Full-Time - Temporary Part-Time – Temporary
Location:	Laboratory/Demonstration	Travel Required:	No
Hours:	Flexible 8a - 6p	Compensation:	\$16-20/hr
HR Contact:	Jessica Sweeney	Date posted:	8/30/2022
Will Train Applicant(s):	On-the-job Training Available	Posting Expires:	10/1/2022

Company Description: Small company focused on research and development of critical fluid technologies, including internal and contract research, process design engineering and manufacture, experimental development and toll processing. CF Tech has a laboratory, pilot plant and full machine, welding, fabrication and assembly shop for manufacturing mechanically operated DurOLok pressure vessels and critical fluid processing systems and components. CF Tech is committed to developing renewable liquid fuels.

Job Purpose:

CF Technologies, Inc. is hiring a programmer and/or electrical and/or chemical engineering and research intern(s) to work on ongoing laboratory and pilot plant research and development projects in supercritical fluids to process waste material into biofuel, primarily biodiesel and renewable diesel. Programming and fabrication of process instrumentation, control room wiring, programming control loops and data logging program using ladder logic and scaling programs.

Duties & Responsibilities:

- Maintain safe operations by adhering to safety procedures and regulations.
- Develop and present data in a coherent manner to scientists and engineers.
- Test process instrumentation and program the control instruments.
- Programming in ProWorx, Modicon, and PanelMate.
- Instrumentation wiring and power connections.
- Maintain a well-organized, clean and orderly work area and project documentation.
- Work with engineering department to review and prepare experimental protocols, plan sequence of operations and determine consumables required.
- Timely response to paperwork requirements, including administrative requests.
- Provide management a weekly status report, and by request.
- Contributes to Company team for efficient operations e.g. by accomplishing related duties as needed.

Requirements:

- Laboratory Safety Training.
- Ability to read process block flow diagrams and process piping and instrumentation diagrams.
- Junior or senior year undergrad, or MS candidate. Major in Science, Chemistry or Engineering.
- Ability to self-motivate and remain focused and alert.

Skills/Qualifications:

- Oral and written communication, in English, with co-workers and management.

Preferred Experience and Skills:

- Computer skills: Programming; Microsoft Suite including Excel, Word and Powerpoint; CAD drawing; process simulation and thermodynamic molecular modeling.