**Company:  
Waves and Frequencies (WAF Audio)  
  
Contact:  
info@wafaudio  
  
Job Title:  
Engineering & Manufacturing Assistant – Composite Speaker Production  
  
Job Description:  
Waves and Frequencies is seeking a college or university student in engineering, manufacturing, or a related field to assist in the development of new high-performance speaker designs. The role will focus on refining manufacturing processes, assisting in prototype production, and conducting testing to ensure quality and consistency.  
  
The intern will be involved in:  
        •       Developing structured workflows for composite-based speaker production.  
        •       Refining CAD models and technical documentation for manufacturing.  
        •       Assisting in prototype fabrication, ensuring precision in material layup and finishing.  
        •       Conducting mechanical and acoustic testing to validate performance.  
        •       Identifying and implementing process improvements for efficiency and scalability.  
  
This role offers a unique opportunity to apply engineering, technical, and manufacturing skills to an innovative, high-end audio project.  
  
Project:  
The student will support the development and commercialization of new speaker designs, focusing on:  
        •       Creating a documented and scalable production process for composite speaker enclosures.  
        •       Assisting with prototyping and testing of initial production models.  
        •       Optimizing CAD models and technical drawings to streamline manufacturing.  
        •       Compiling engineering and production documentation to guide future fabrication.  
  
Required Skills:  
        •       Experience with composites (fiberglass or carbon fiber) and knowledge of material properties.  
        •       Proficiency in CAD software (SolidWorks, Fusion 360, or similar).  
        •       Understanding of manufacturing processes and structural design principles.  
        •       Problem-solving and critical thinking skills to troubleshoot and refine production methods.  
        •       Ability to work both independently and collaboratively in a hands-on production and office environment.  
  
Work Location:  
        •       Onsite in Thunder Bay, split between:  
        •       Waves and Frequencies Workshop – hands-on work with fabrication and testing.  
        •       Innovation Center Offices – CAD modeling, material analysis, and process optimization.Other Information:** The Youth Effect Program requires candidates to fulfill the following requirements:

* Be between the ages of 18-29­­­­­­­­­­­­­­­­­­­­
* Be legally allowed to work in Canada
* Be living in Northwestern Ontario