MEMS Technician Intern

POSITION SUMMARY:
A Micro Electro Mechanical Systems (MEMS) Technician provides development and production support for wafer fabrication in an integrated circuit fabrication facility for MEMS devices while learning the equipment and processes. This position involves operating silicon wafer processing and test equipment to produce silicon based devices.

JOB RESPONSIBILITIES:
- Learn the equipment, process and infrastructure to:
  - Produce production wafers and devices.
  - Assist in the development of new processes and procedures.
  - Produce experimental wafers and execute non-standard processes.
  - Create process descriptions and documentation.
  - Carefully document the process steps and parameters applied to specific wafers.
  - Process and part measurements, including flatness, layer thicknesses, and other performance parameters.
  - Data analysis and reporting.
  - Identify and communicate unsafe situations to the facility staff and management.
- Additional duties as assigned.

PHYSICAL ASPECTS/WORK ENVIRONMENT:
- Regularly required to stand; walk; sit; use hands to finger, handle, or feel; reach with hands and arms; stoop, kneel, crouch, or crawl; and talk or hear.
- Regularly/Occasionally lift and/or move up to 50 pounds.
- The noise level in the work environment is usually low/moderate.
- Must be able to gown and un-gown for entry to wafer fab

QUALIFICATIONS:
- Current enrollment in and Engineering or MEMs technician program
- High degree of proficiency MS Office Suite, Outlook & Internet applications
- Ability to maintain confidentiality and be discrete while accompanying sensitive information
- Strong analytical, prioritizing, interpersonal, problem-solving, presentation, project management (from conception to completion), & planning skills
- Strong verbal and written communication skills (including analysis, interpretation, & reasoning)
- Solid understanding and application of mathematical concepts
- Ability to develop and maintain collaborative relationships with peers and colleagues across the organization, as well as, internal and external clients
- Ability to work well autonomously and within a team in a fast-paced and deadline-oriented environment.
- Ability to work with and influence peers and senior management
- Self-motivated with critical attention to detail, deadlines and reporting
- Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to compute rate, ratio, and percent and to draw and interpret bar graphs.
- Ability to read, write, and comprehend simple instructions, short correspondence, and memos
- Possess a mechanical aptitude; ability to use a large variety of hand tools and basic knowledge of power tools.
- Must have current driver’s license.
- Must be able to certify for entry into WNF wafer fab

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Contact: JP Whitlock, jwhitlock@matw.com, 458-215-5773