

**Title: Research and Development Engineering Intern**

**Reports to: Head of Research and Development**

**Location: 3601 Faraday Avenue, Davis CA 95618 (relocation assistance available)**

**Start Date: 5/29/2023 through 08/25/2023 (flexible end date based on university start date)**

**Wage/Time: $22.00 hourly – Monday through Friday – 8:00 a.m. to 5:00 p.m.**

**Apply: Email your resume to Eric Wilhelm at** **ewilhelm@dmgmori-usa.com** **along with your interest in the internship program and relevant courses completed and planned.**

DMG MORI’s Research and Development Engineering Internship provides a unique experience for those passionate or looking to learn more about additive manufacturing. Working directly with our Additive Solutions group, the focus will be on designing, prototyping, building, and testing a variety of solutions for challenges seen in the advanced manufacturing space. You can expect working with state-of-the-art equipment and mentorship with experienced engineers. You will work on all aspects of producing the next generation of advanced manufacturing equipment.

**Essential Job Functions:**

* Research, design, development, and testing of equipment for AM (additive manufacturing).
* Conduct time estimates for components to understand impact of product innovations.
* Calculation of optimal machine parameters for part processing.
* Understanding of statistical process control and machine reliability analysis.
* Inspection of finished parts for quality and accuracy.
* Generate engineering reports and technical documentation.
* Frequent communication with internal technical staff.

**Minimum Requirements:**

* Seeking a degree from accredited university in mechanical engineering or related field.
* Must be a U.S. Citizen
* Ability to reliably commute to Davis, CA facility.
* Experience with programming.
* Computer operation skills including Office, CAD, CAM, and preferably FEA and other simulation and analysis tools.
* Knowledge in part processing, metal cutting, CNC programming, reading drawings, and machine setup.
* Basic understanding of Metallurgy.
* **Proven experience to communicate professionally.**
* **Proven flexibility with shifting priorities.**
* **Proficiency in Microsoft Office; Outlook, Excel, Word, and PowerPoint.**
* **Proven organizational skills, with high attention to detail.**
* Strong analytical/problem solving abilities.

**Work Environment:**

Exposure to manufacturing/machining environments which may present possible hazards such as noise, electricity, chemicals, heavy equipment, and other automated and manual machinery. General office environment experienced at DMG MORI office.

**Physical Demands:**

Frequent: Travel, operating a vehicle, standing, walking, bending, squatting, stooping, sitting, and reaching. Pushing, pulling, and lifting objects. Repetitive foot, leg, hand, arm, shoulder, and torso movements.

Periodic: Operating power equipment, sitting at desk, utilizing computers and phones.

Occasional: Lifting or moving up to 50lbs.