

Software Engineer - Intern

COMPANY : **AMETEK**

AMETEK is a leading global manufacturer of electronic instruments and electromechanical devices with annual sales of approximately \$5.5 billion.

Publicly traded on the NYSE since 1930 and a component of the S&P 500, AMETEK has over 18,500 colleagues at more than 150 operating locations in 30 countries around the world. Our mission is to solve our customers' most complex challenges with differentiated technology solutions. AMETEK's Growth Model combines four strategies: Operational Excellence, Strategic Acquisitions, Global & Market Expansion, and New Product Development.

Our core values — ethics, integrity, respect for the individual, diversity and inclusion, teamwork and social responsibility — are essential to doing business the right way. AMETEK believes that a diverse workforce and an inclusive environment are critical to the continued growth and success of the company. We seek to hire, develop, and retain individuals who embrace and thrive in our performance-based, entrepreneurial culture. We are united by our common spirit of collaboration, creativity, and innovation, backed by the power of a large, global company.

BUSINESS UNIT: **CAMECA**

CAMECA has long been recognized as a world leader in microanalysis and metrology instrumentation used for research, process control and product development in such markets as semiconductor fabrication, nanotechnology and advanced materials development. Its instruments measure elemental and isotopic composition down to atomic-level resolution. It equips the most prestigious industrial, government and academic laboratories and research facilities worldwide, offering customers the highest analytical performance in their specialized fields.

Headquartered in Madison, WI, CAMECA employs about 300 colleagues around the world and operates major facilities in France and the United Kingdom. Acquired by AMETEK in 2008, CAMECA is a unit within AMETEK's Materials Analysis Division, a recognized global leader in world-class materials analysis systems, nuclear instrumentation, and digital imaging solutions.

Website: www.ametekmad.com

SUMMARY

Develop and enhance data analysis modules while re-implementing them in a new extension infrastructure in CAMECA's 3D analysis software package.

KEY RESPONSIBILITIES

Key Tasks and Responsibilities:

- Review and understand existing community-developed analysis tools for re-implementation.
- Collaborate with application scientists and software engineers to design and implement tools for application extension modules.
- Develop and execute software verification test plans.
- Create requisite documentation of software modifications.

REQUIREMENTS FOR CONSIDERATION

Desired:

- Familiarity with .NET C#, Python and Matlab.
- Highly organized.
- Strong interpersonal skills.

Preferred:

- Experience developing Windows .NET applications using WPF.
- Experience with Visual Studio 2019/2022.

CONTACT INFORMATION

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TIME FRAME AND LOCATION

This position is available immediately (part time during the school year) and full time through the summer of 2023. CAMECA is located at 5470 Nobel Dr. Employment could be full-time on site or a mixed model after some period of time.