Employment Opportunities

MZA Associates Corporation

MZA is always on the lookout for exceptionally talented individuals that have strong computer and programming skills with good backgrounds in mathematics, optics, and physics. Prior experience on High Energy Laser programs is highly relevant.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Below are descriptions of the positions that we are presently trying to fill:

Embedded and Real-time Systems Software/Hardware Engineer with an Emphasis on FPGA Programming (Albuquerque, NM)

Description:

Develop hardware and software systems for real-time optical acquisition, tracking, and beam control systems. Participate in a development team making contributions to the hardware and software design and implementation of systems that employ state-of-the-art high-speed real-time hardware and software processing.

Qualifications:

Minimum: BS or MS in computer, software, or electrical engineering field or equivalent experience. Strong software and/or hardware engineering background. Desired: Experience with real-time embedded systems working with optical sensors and control equipment. Experience with beam control, acquisition, tracking, and pointing hardware and software. Experience with real-time operating systems, FPGA, and GPU programming. Experience with National Instruments, Zedboard, and Xilinx FPGA equipment equipment.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Opto-Mechanical Engineer (Albuquerque, NM)

Description:

Design, analyze, develop, integrate, and test complex optical systems that include closed-loop control for beam projection and optical sensing applications. Analyze optical layout and prescription for proper imaging and beam quality metrics. Layout and specify mechanical interfaces to provide robust mounting interfaces with tight tolerances and high reliability and stability.

Qualifications:

Minimum: BS or MS in optical or mechanical engineering field or equivalent experience. Strong optical analysis with firm understanding of precision mechanical requirements. Desired: Experience with optical analysis and design in ZEMAX and Solidworks.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Electro-Optical Engineer with an Emphasis in IR Sensors (Albuquerque, NM & Dayton, OH)

Description:

Design, analyze, develop, integrate, and test optical sensor systems for precision data acquisition and closed-loop optical control. Analyze optical layout and prescription for proper imaging and beam quality metrics. Perform radiometric analysis for optical sensing systems including atmospheric degradation phenomena.

Qualifications:

Minimum: BS or MS in electrical or optical engineering field or equivalent experience. Strong radiometric analysis capabilities. Experience with modern camera systems operating in the NIR through MWIR bands. Desired: Experience with high-speed imaging systems. Understanding of the requirements for the implementation of acquisition and tracking algorithms. Experience with optical analysis and design in ZEMAX and Solidworks.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Computer/Electrical Engineer (Albuquerque, NM)

Description:

Design, analyze, develop, integrate, and test computer and electronic sensing and control equipment. Perform PCB board layout, perform board analysis, and develop board drawings for manufacture. Assemble and test sensing and control equipment.

Qualifications:

Minimum: BS or MS in computer or electrical engineering field or equivalent experience. Experience with interfacing with sensing and control peripheral equipment. Desired: Strong computer programming skills.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Modeling and Simulation Analyst (Albuquerque, NM & Dayton, OH)

Description:

Assist in the investigation of various physical and optical phenomena involved in the development of acquisition, tracking, and pointing and beam control technologies. Develop and implement algorithms for the analysis of data and the execution of beam control functions.

Apply advanced simulation technologies, WaveTrain and SHaRE, to analyze optical propagation and adaptive optics systems. Assist customers in the application of WaveTrain and SHaRE. Develop, maintain, and upgrade scientific calculation and visualization software. Analyze data from simulation and various types of scientific experiments.

Qualifications:

Minimum: BS or MS in physics, math, or electrical/optical engineering field or equivalent experience. Experience with the simulation of complex systems. Matlab programming (or very similar language). Strong physics and math background. Desired: Ph.D. in physics, math, or electrical/optical engineering. Experience in the analysis of adaptive optics systems and/or optical propagation through random media. Rytov theory. Fourier optics.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Scientific Applications Programmer (Albuquerque, NM & Dayton, OH)

Description:

Develop and maintain complex scientific modeling, simulation, and analysis software with an emphasis in optical propagation and control systems.

Qualifications:

Minimum: BS or MS in math, science, or engineering field or equivalent experience. Matlab programming (or very similar language). Strong scientific and numerical programming. Desired: Solid background in computer programming, math, and physics and proficiency in scientific data analysis. Specific experience in optics, statistics, database programming, and/or graphical user interface programming. Experience with C, C++, C#, and Java

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

Entry-Level Applications Programmer (Albuquerque, NM & Dayton, OH)

Description:

Develop and maintain applications programs with emphasis on application installation, graphical user interfaces, and applications configuration. Assist with system maintenance, configuration, and installation activities.

Qualifications:

Minimum: Demonstrated proficiency in computer programming in C++, C#, and/or Java. Desired: BS in technical discipline with an emphasis in programming. Some experience and knowledge with web-based programming.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.

MS Windows Computer Systems Administrator

Description:

As a member of a systems administration team, perform system configuration and administration of MS Windows-based computer network. Configure all manner of MS

Windows operating systems including server versions. Support the implementation and administration of numerous user services including e-mail, communications, file server, and user applications.

Qualifications:

Minimum: Experience with MS Windows systems administration. Desired: BS in technical discipline with an emphasis in programming. Experience configuring MS Outlook, MS Exchange, MS Domain Servers, MS Skype, and/or MS SharePoint. Experience in a DoD contracting environment that requires implementation of strict security controls in both classified and unclassified environments. Strong programming skills.

To apply, send letter of introduction and resume to employment@mza.com. For more information about MZA see http://www.mza.com.

Compensation will be commensurate with education and experience. MZA offers a full compliment of fringe benefits including health, life, and disability insurance, an excellent retirement plan, educational subsidies, and paid vacation and holidays.

MZA is an equal opportunity employer. Because we work on national security projects, most candidates will need to be able to obtain government security clearances and therefore must be US Citizens.