Systems Enginuity, Inc. (SEI)

Title: Research Systems Engineer

Location: Pomona, NJ

Job Type: Full-Time (Experienced)

Compensation Type: Salary

Start Date: 10/1/2017

Job Description: Work at the Federal Aviation Administration (FAA) Technical Center in Pomona, NJ to develop a system to audit air traffic control operations for compliance with safety standards. Work with stakeholders and engineers to define the system concept, capabilities, and technical approach. Identify techniques and metrics to support risk-based identification and prioritization of audit topics. Document and present recommended models, methods, and tradeoffs for stakeholder review. Develop and test proof of concept tools and techniques to mine, extract, and analyze safety and audit data for trends and patterns. Work with the engineering team to transfer proof of concept to prototype specifications, designs, and algorithms. Prepare case studies and reports to show the prototype application to real-world audit data.

Qualifications:

- Experience in technical research and data analysis for aviation, air traffic, or FAA projects required
- Background in operations research, modeling, simulation, or statistical analysis techniques desired
- BS and 8 years, MS and 6 years, or PhD and 4 years of experience with degree in math, operations research, engineering, science, computer science, or similar

Application Instructions: Email resumes to jobs@systems-enginuity.com.

About the Organization: SYSTEMS ENGINUITY, Inc. (SEI) provides engineering services for aviation research and system acquisition programs. SEI specializes in air traffic control systems and operations, with technical expertise in surveillance, navigation, automation, and communication technologies. Founded in 2004 with locations in Linwood, NJ, and VA / DC metro area.