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## Job Title: Software/Hardware Engineer

### What Does Mixon Hill Do?

We design and create products and services for use by our clients within the totality of the Transportation Industry. Our products and systems improve the quality of transportation, and encompass the domains of Asset Management, Intelligent Transportation Systems (ITS), and Connected and Autonomous Vehicle technology. We provide integrated solutions, incorporating tools, technologies, and services, to serve our client's comprehensive organizational needs.

### Who Are We Looking For?

Creative, talented, and innovative individuals with a unique blend of skills to fit into our fast-paced, exciting and challenging environment! We want you to have an interest in creating creative solutions in this technical field.

### What Will You Do at Mixon Hill?

- Create interfaces between hardware sensors and processors in real-time systems
- Analyze and interpret hardware specifications and needs
- Design and develop devices for capturing and analyzing information
- Integrate devices into hardware platforms
- Design, develop and test software applications for data collection
- Create and maintain test plans and test reports
- Generate design, technical, and user documentation following Systems Engineering and Software Development Lifecycle practices and standards

### What Skills, Education and Experience Do We Require?

- C/C++ programming experience (Advanced/Expert levels)
- Java programming experience
- Ability to analyze situations and offer creative solutions
- Ability to analyze data
- Bachelor's degree in Computer Science, Electrical Engineering, Math, Physics, or in a related technical field
- Experience in Linux and Windows environments
- Excellent written and communication skills
- Ability to perform as a self-starter
- Ability to work in a team-oriented, collaborative environment

### What Additional Skills and Knowledge are Valuable?

- C#/.NET programming
- Experience with developing algorithms to perform mathematical analysis of data
- Security best practices (programming, network)
- Experience with DSRC technology
- Experience with TCP/IP, IPV6, telecommunications/cellular networks, Wi-Fi and GPS technology

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#### Home Office

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#### President

Lee T. Mixon, P.E