**EngeniusMicro** is looking for a Senior-level Computer Scientist to join our multi-disciplinary staff of engineers and scientists. We seek a candidate able to work in a fast-paced, small team environment through all phases of the product life cycle from conceptual development and detailed design through manufacturing, testing, delivery support.

Primary work duties include the development and integration of vision, automation, tracking, and control algorithms for additive manufacturing tools, robotic manufacturing platforms, aerial platforms, and autonomous vehicles. The candidate must be able to apply computer vision, machine vision, artificial intelligence, and machine learning algorithms to problems such as robot localization, path planning, obstacle avoidance, sensor fusion, target discrimination, robot navigation, and similar issues facing complex automated systems.

**Basic Qualifications**

This position requires a Master’s degree with a minimum of 12 years’ experience or PhD with 8 years’ experience, from an ABET School in Computer Science, Electrical Engineering, or related field, and experience in the development and implementation of software and hardware integrated into an intelligent automated system.

**\*This position requires the ability to obtain a US Security Clearance for which the US Government requires US Citizenship.**

# Required Skills / Experience

Strong knowledge and demonstrated experience is required in:

* Algorithm development in C, C++, CUDA/OpenCL
* Experience with computer vision (OpenCV preferred) and machine learning algorithms
* Experience with TensorFlow
* Modeling and simulation of autonomy algorithms in platforms such as Matlab/Simulink
* Algorithm development for object detection, tracking, and data fusion
* Strong written and verbal communication skills
* Test equipment and debug/test methods

# Preferred Skills / Experience

Familiarity or experience is preferred in:

* Understanding of sensors used in autonomous systems including cameras, LIDAR, RADAR, inertial measurement units, etc.
* Experience with parallel programming
* Experience with GPGPU
* Experience with nonlinear control algorithms
* Algorithm development on embedded hardware platforms

# Why should you apply?

* You like solving problems and developing new technology in a fast-paced team driven environment
* You’re interested in building hardware and prototypes
* You enjoy strong technical challenges in a collaborative environment

**\*EngeniusMicro is an equal opportunity employer. Qualified applicants will be considered without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality, sex, or veteran status**.