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# The Position

EngeniusMicro is looking for an engineer 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 leading the development, troubleshooting, maintenance and improvement of UI and control software used in advanced 3D printer operations. You will be the lead in implementing an aesthetically pleasing and intuitive user interface for our machines.

# **Basic Qualifications**

This position requires a bachelor’s degree from an ABET School in Software, Electrical, Robotic, Mechatronics, or Computer Engineering with a **minimum of 5+ years** of experience system programming, UI development, and product design is required including demonstrated project experience.

**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 are required in:

* UX focused UI programming (Python, Javascript, React, Vue, HTML, CSS, JSON, XML, QT)
* Experience with Git (Gitlab)
* Experience with various communication protocols (I2C, CAN, EtherCAT, HTTPS, TCP, etc)
* Interfacing to sensors and mixed-signal components
* Computer vision, image processing, positioning, shape/object recognition (OpenCV)
* Control system programming (C, C++)
* Firmware for various MCU families
* Strong written and verbal communication skills

# Preferred Skills / Experience

Familiarity or experience is preferred in:

* 3D Printing or automated systems
* Data processing and machine learning principles
* Computational geometry and path planning algorithms
* Embedded microcontroller-based hardware design
* Basic digital and analog circuit design

# Why should you apply?

* You enjoy making software that is both technically and visually stunning.
* You inject artistic design into all aspects of your designs.
* You like solving problems and developing products in a fast-paced collaborative environment.
* You’re interested in building advanced manufacturing systems.

\*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.