
DESCRIPTION

MOXIE is looking for an engineer to assist with the design and development of embedded electronics and app-control electronics hardware. This includes projects related to internet-of-things, robotics, and automotive. This position will be reporting directly to MOXIE's VP of Engineering, Kyle Kubik. Our company offers competitive pay, a fun and fast-paced work environment for a growing team, and the ability to make an impact in your field. The MOXIE research facility is located at the DEFT Dynamics venture studio near Pepper Place in Downtown Birmingham, AL.

The Ideal Candidate

- Enjoys electronic circuit, electronic hardware, and embedded application development
- Is able to independently solve complex electronic architecture problems
- Self-motivated to develop and apply new processes and systems

Desired Qualifications

- Bachelors in Electrical/Mechanical Engineering or Computer Science required
- Electronic hardware design (Component selection, IC implementation, circuits, PCBs in Eagle)
- Experience in PCB prototyping (solder printing/reflow, pick and place operation)
- Understand how to interface with sensors over i2c/SPI etc. and to build C++ drivers for them

Pipeline of Current Projects (Day 1 activities)

- 'Shore power' sensor development for monitoring the 120VAC power systems in saltwater marinas
- LTE CAT-M1 layout and antenna design based on nRF9160
- MoxieloT produces PCB prototypes for customers in weeks. Rapid design is enabled by our organized system of Eagle Design Blocks and C++ drivers, but prototyping is currently a chokepoint. The applicant will build systems to transfer these prototype designs seamlessly to our in-house PCB prototyping equipment

Occupational Details

- Job Type: Full-time, on premises; Normal hours are 8am – 5pm, Monday – Friday.
- Competitive base salary plus opportunities for performance-based compensation and year-end profit-share.

APPLICATION PROCESS

Please Answer the Following

- How many years of C++ experience do you have?
- How many years of EagleCAD (Autodesk) experience do you have? PCB prototyping/production?
- What is the highest level of education you have completed? When did you complete it?
- Do you have experience with embedded programming at work or hobby (e.g. Arduino)?

Please Provide

- Resume
- Examples of recent projects that showcase your skills and interests (images/description or demo required)
 - o PCB layouts / Schematics / finished PCBs for any application
 - o Clever, novel, or ingenious circuit designs (op-amps / high voltage / etc.)

If interested, please contact:

Austin Gurley – Founder & CTO
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