

# Mechanical Engineer

Chicago, IL  
Fall 2020



Mesh++ designs solar- and battery-powered WiFi routers with a dedicated wireless backhaul for temporary or permanent outdoor installations. Our intention is to make last-mile infrastructure fully wireless, allowing for simple temporary installations and non-intrusive permanent ones. Mesh++ has completed installations over underserved communities all over the world with the goal of developing a platform that enables anyone to bring internet access to their community.

We are looking for a Mechanical Engineer to lead physical prototyping, design-for-manufacturing (DFM), and manufacturing of our next product. This requires hands-on development with CNC machines, laser cutters, 3D printers, and other rapid prototyping equipment. As an early startup, tasks outside of the immediate job description may be required occasionally. We seek individuals who are enthusiastic to take on new responsibilities as we continue to grow.

This is a paid position, \$80k-95k annual depending on experience, equity available.

## Responsibilities:

- Leading the rapid prototyping process
- Giving mechanical feedback to initial design ideas
- Rapid prototyping including 3D printing and CNC
- Guiding third-party manufacturing
- Sourcing applicable raw materials
- Designing tests to obtain feedback from customers, determine failure modes, or to determine manufacturability
- Mechanical (CAD) and industrial design

## Minimum Qualifications:

- Experience with injection molding, 3D printing, extrusion, and sheet metal fabrication
- General manufacturing expertise
- Experience designing waterproof electronics
- History of bringing products through mass production
- Ability to receive and act on feedback from customers and co-workers

## Preferred Qualifications:

- Familiarity with RF (Radio Frequency) characteristics and antenna integration
- Thermal simulation experience
- Familiarity with Finite Element Analysis
- Ability to conduct empathetic design with customers
- Experience designing consumer electronics or networking equipment

Please contact [danny@meshplusplus.com](mailto:danny@meshplusplus.com) with resume or questions.