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Job Title: Fabrication and Prototyping Technician, X Special Projects

Role:

The X early stage projects team ([x.company](#)) is looking for a fabrication and prototyping technician to assist our engineers, designers and fabricators fast, iterative design and build cycles for mechanical and electrical fabrication and assembly work. We need hands-on all-around problem solving and prototyping help with:

- Mechanical fabrication: Fabrication of small wearable units for headsets; Enclosures for electronics; Parts assembly, sewing wearable devices;
- Electronics integration: Soldering biosensors, electronics integration of circuit boards into enclosures; Flashing Microcontrollers and boards.

Time:

This role is a one year contract.

Minimum Qualifications:

- 2+ years experience fabricating parts and assemblies
- Experience in both analog and digital fabrication
- Excellent fabrication skills across a range of materials and processes
- Capable of managing multiple concurrent fabrication projects on tight timelines
- Creative problem solver, enjoys the challenge of creating something new

Preferred Qualifications:

- Bachelor's degree, in a relevant field such as mechanical engineering, industrial design, or manufacturing (4 years of experience in lieu of degree),
- Experience with material selection, textiles, composites fabrication
- Basic understanding of PCB fabrication and enclosure selection
- Basic electrical engineering knowledge to flash firmware onto MCU's
- Knowledge about at least one 3D modeling and CAM package
- Sewing and textile skills
- Can reverse engineer simple mechanical and electrical systems
- Hands on with design and engineering problem solving experience

Responsibilities:

- Collaborate with mechanical and electrical engineers to build out wearable systems and electronics board enclosures
- Sewing wearable devices using a sewing machine
- Choose and execute using the most appropriate fabrication method for allotted timeline
- Design and fabricate parts and assemblies in a variety of materials
- Help with general fabrication and prototyping tasks
- Simple IT setup for computer systems