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## JOB DESCRIPTION FOR HIRE

***Title:*** *Electro-Optical Engineering Technician*

***Position Description:*** The Overwatch Imaging Electro-Optical Engineering Technician will build and test electro-optical systems, printed circuit board assemblies and cable harnesses in support of advanced imaging payloads for airborne systems.

***Company Description:*** Overwatch Imaging is changing the way airborne image-based intelligence is created. Based in beautiful Hood River, Oregon, Overwatch Imaging is a small, fast-paced business focused on bringing the benefits of aerial imaging to large-scale civil, commercial, and special-purpose applications. Overwatch makes customized imaging payloads designed for long-endurance aircraft. Our products allow mid-sized UAS and small manned aircraft to collect precision survey maps, conduct autonomous search and detection roles, and provide real-time image-based intelligence to users. Overwatch payloads feature onboard image processing, which we leverage to reduce operator workload, accelerate data processing workflows, and identify hard-to-find small signals from large datasets.

***Major Areas of Responsibility:*** *The ideal candidate will be strong in many of the following areas:*

- ***Cable Harness Assembly:*** Builds wiring solutions for camera and embedded processing systems at the prototype and low rate initial production stage, and maintains documentation and component inventory related to these wiring solutions.
- ***Electrical Hardware Design:*** Supports development of circuit boards, custom wiring and microprocessor subsystems to satisfy higher-level performance requirements within size, weight, power and cost constraints.
- ***Camera and COTS Electrical Component Evaluation and Implementation:*** Identifies and assesses commercial off-the-shelf sensors and components that can satisfy system needs, and performs rapid make versus buy evaluations.
- ***Production System Verification and Validation:*** Completes imaging payload verification testing, identifies and pursues reliability improvement and cost reduction opportunities, and ensures repeatable performance of delivered electronics.

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***Required Knowledge, Skills and Abilities:***

- ***Experience and Education:***
  - Education and training in electrical engineering, computer engineering, or similar fields.
  - Training in soldering techniques and best practices; IPC certification preferred.
  - Experience in aerospace and defense, particularly with mid-sized unmanned aircraft and/or airborne imaging systems.
  - Experience with electro-optical remote sensing systems, digital image signal transmission, communications protocols, and rapid prototyping.
  - 2 years of experience with a Bachelor's degree, or
  - 5 to 7 years of relevant experience with an Associate's degree or professional training.
- ***Technical Competence:***
  - Cable Harness Assembly
  - Soldering and Hand Rework of Surface Mount Components
  - Electrical Component Sourcing
  - Circuit Board and Electrical Component Checkout and Testing
  - Camera System Testing and Characterization
  - Electromagnetic Compatibility and Environmental Considerations
- ***Character Attributes:***
  - Thrives in a dynamic, fast-paced small business work environment.
  - Collaborates well in a small team and with customers.
  - Ready to accept new challenges and tasks in new areas.
  - Enjoys hands-on work and supporting teammates.
  - Takes pride in seeing work product reach the field.

***Location:*** This position is based in Hood River, Oregon.