

ROLE	DESCRIPTION
<p>Program Manager</p> <p>Harvick Tang</p>	<ul style="list-style-type: none"> - Create schedules and project plans throughout project development and production - Create meeting agendas, and ensure all individual tasks are fulfilled by team members - Weekly execution of project roadmap tasks - Track expenses and ensure the team stays within budget - Communicate status, and discuss any updates or challenges as needed to customer - Schedule meetings and generate meeting agendas as needed
<p>Software System Lead</p> <p>Sarah Bentzley</p>	<ul style="list-style-type: none"> - Design software system (user interface and motor control) for the project - Determine software requirements and select programming language - Verify compatibility of computer systems and sensors during component selection - Create software system documentation (pseudo code, diagrams) - Develop motor control algorithm
<p>Production Lead</p> <p>Matt Craven</p>	<ul style="list-style-type: none"> - Oversee material selection, and ensure the manufacturability of material - Ensure proper tolerances are maintained from the design phase, through production - Machining custom parts are required - Communication liaison between shop personnel and team - Assist and review the development of CAD models and mechanical schematics - Maintain record of manufacturing issues as needed
<p>System Int. & Test Lead</p> <p>Michael Kelly</p>	<ul style="list-style-type: none"> - Determines necessary actions for interdisciplinary (Mechanical, Electrical, Software) integration for ATLAS systems - Communicates and facilitates between disciplines to ensure synchronization of progress between members. - Designs testing for apparatuses of proof of concept, designs, and final testing. - Records and analyzes data from testing. Interprets results for improving testing and / or ATLAS - If any change in design goes through one discipline, ensures that change will not affect interactions with other systems - Designs final testing / demonstration processes

Power & Electrical System Lead Mark Min	<ul style="list-style-type: none">- Create P-SPICE models of electrical design- Create any necessary wiring schematics- Selection of Power source and wire sizes- Design appropriate power supply- Maintain revisions of electrical design as project progresses
Mechanical System Lead Kyle McAlinn	<ul style="list-style-type: none">- Create CAD models and mechanical and structural schematics- Ensure proper material and component selection such as motors, structural materials, etc- Ensure all engineering requirements are incorporated in the mechanical design- Maintain proper records pertaining to mechanical design selection and outside consultants (professors, area experts, etc.)- Update EDGE as need throughout the project