

JOB DESCRIPTION

Aerial Data Processing Internship

About Us:

AirWorks is an aerial intelligence company in the construction space. We provide aerial maps and site plans to contractors, civil engineers and surveyors. Furthermore, we are developing autonomous processing software to increase speed, efficiency and reduce rework cost of construction projects. We are participating in very exciting accelerator programs in Cambridge, MA from June to September this summer, and are looking to grow the company rapidly in the coming months. We are currently looking for support in our aerial data processing team.

Roles and Responsibilities:

The successful candidate will help the team process UAV imagery from construction sites with Pix4D or alternative tools and oversee part of the AutoCAD post-processing into our final client deliverables. In this role, accuracy is of most importance. Part of the data processing involved using ground control references that need to be verified and aligned in the imagery at the right location. The candidate may be asked to join the team in the field occasionally, to learn about the entire UAV mapping process and understand accuracy chains throughout the project. You should be excited about technology in the construction environment and detail and quality oriented in your work habits.

Minimum Qualifications:

- Background in Construction Management, Civil Engineering, Geography, Environmental Science, Urban Planning or related field
- Familiarity with spatial reference systems, geo-referencing, and ortho-rectification concepts
- Experience working with the CAD software AutoCAD (ideally Civil3D) as well as GIS software (ArcGIS, QGIS)
- Highly responsible and quality orientated work habits

Preferred Qualifications:

- Experience working with spatial data, such as shapefiles, raster imagery, and LiDAR point clouds
- Experience working with aerial imagery processing software (Pix4D, DroneDeploy, Datumate)
- Experience generating AutoCAD drawings from aerial imagery or point cloud data

Additional details:

- The position is full time
- Location is Cambridge, MA