



3D Computer Vision / Geometry processing Engineer (100%)

Are you looking for a new challenge and you would love the opportunity to fill an essential role in a young and highly dynamic startup? Are you enthusiastic about latest technologies; and the prospect of using applied research to disrupt the inspection industry excites you? Then join Tinamu and become part of a high-tech spin-off from ETH Zurich!

We are looking for a computer vision/ graphics expert with a strong focus on 3D vision/ geometry processing to design and improve the core modules used in our data analytics pipeline. Together with a highly motivated team of Robotics and Software engineers you build the core intelligence of our drone-based monitoring system - processing sensor data to generate valuable insights for our customers.

Your responsibilities

- Design and implement new algorithms for point cloud processing in our data analytics pipeline – from prototyping algorithms up to deploying them in our products
- Analyze and improve efficiency, accuracy, scalability, and stability of currently deployed workflows in the data analytics pipeline

We would love to hear from you if:

- You have a M.S. or higher in computer science or engineering from an internationally leading university (ETH/EPFL or similar).
- You have a solid foundation in image processing and computational geometry; key areas of interest include 3D reconstruction, SfM, image segmentation, object detection, etc.
- You have worked during your masters with Geometry processing, ie. 3D point cloud processing (registration, segmentation, 3D modelling etc.) and meshing
- Experience working with LiDAR Sensors and on sensor fusion is a big plus
- Experience with Machine learning is a plus
- Excellent verbal and written communication skills (English). Confident in presenting your work and representing the team at all levels.
- It's essential you're a self-starter and able to push early concepts into production stage.
- Good programming skills in modern C++, Python

Is this exactly what are looking for? Send us a full application containing a cover letter and CV to: samuel@tinamu-labs.com with subject "3D Computer Vision Engineer".

