SALO Careers

Title	Geospatial software developer
Role	Automation, data management, API development
Location	Remote, or Salo HQ San Francisco
Period	One year, with potential for renewal

At Salo Sciences we're working to reduce catastrophic wildfires while helping to conserve forests as a means to fight climate change. Join our small but growing team of scientists and engineers building next-generation tech solutions for conservation and climate change mitigation around the planet.

About us

Salo Sciences is a conservation technology company. Our mission is to accelerate solutions to climate change and biodiversity loss by guiding investments in natural climate solutions: conservation, restoration & improved land stewardship. We use three tools—satellite data, artificial intelligence & ecological modeling—to identify conservation opportunities, monitor ecosystem health & predict environmental change.

Salo has teamed up with Planet Labs and Vibrant Planet to build the California Forest Observatory, providing a statewide view of forest structure and fuel loads at the tree-level, integrating data on wind and weather, soil and vegetation moisture & population and infrastructure. Though we handle large amounts of data, we don't have a robust data processing pipeline, nor do we have sufficient data/software integration tools. We need a software engineer to automate our satellite data processing pipeline, design a data storage and access system, and help develop and API to enable public access to Observatory data.

Primary responsibilities

- Automate geospatial data processing routines
- Design and maintain geospatial-friendly scalable cloud data processing and storage architecture
- Schedule processing routines to automatically download, process & store data
- Begin designing an API to enable mixed public/private data access
- Develop unit and integration tests for existing Salo software

Required experience

- Python development
- Geospatial software development or experience with geospatial data

- Distributed computing
- Cloud-computing platforms
  - GCP (preferred) or AWS

Preferred experience

- API development
- GeoServer, GeoTrellis, OpenLayers, PostGIS
- Kubernetes, Dask, Xarray
- Django, Postgres

Start date

January-February 2020

How to apply

Send your application to careers@salo.ai. Please include the following.

1. Email subject line: "salo: geospatial software developer"
2. Your resume / curriculum vitae
3. A one-page cover letter describing your fit for the position
4. Optional: relevant appendix material (GitHub account, list of current/previous projects)