



Powering molecular discovery through quantum algorithms and machine learning

Cloud Engineer Position Available

Company Background

Entos was founded in 2019 by faculty from Caltech and the University of Bristol and is situated at the interface of quantum chemistry, machine learning, and drug discovery. We seek to bring quantum simulation to real-world problems and disrupt entire industries along the way. Our team is currently small, but mighty and rapidly growing. We are committed to building an inclusive work environment at Entos, where a diverse group of talented people work together to create awesome technologies. If you have the curiosity, passion, and collaborative spirit, join us and let's change the world together!

Company Background

We are looking for a talented and motivated Cloud Engineer who is excited about working on cloud computing technologies to build automated high-performance physics- and machine-learning-based simulation solutions. You will work with a tight-knit and interdisciplinary team and have the opportunity to work with a variety of technologies as well as functional areas within the company.

Important note: Even if you are missing one or more of the "priority skills," please still apply. Our first priority is to identify talented, motivated, and diverse individuals that will continue to grow and learn.

Responsibilities

- Design, deploy and monitor infrastructure in public clouds (AWS, Azure, GCP, DigitalOcean)
- Propose, develop, and support automated solutions for container testing, deployment, orchestration, and computation
- Interact with our high-performance workflow team to design, develop, and support hybrid physics-based and machine-learning frameworks

Priority Skills / Requirements

- BS (or equivalent or higher) in Computer Science, Physical Sciences, Engineering, or related
- Strong problem-solving, collaboration, communication skills
- Experience with one or more major cloud providers (AWS, Azure, GCP)
- Experience with containerization and orchestration software (Kubernetes, etc.)
- Experience with CI / CD pipelines, and familiarity with at least one CI platform
- Experience with one or more cloud-based batch systems (SQS, GCP/Azure/AWS Batch)

Bonus / Preferred Skills

Experience with Git, and strong Python programming skills

Experience with Conda package manager and distributed workflow tools (Dask, Airflow, Prefect)

Experience with Jupyter/Jupyter Hub, Helm, SQL databases, Redis, or other Pub/Sub tools

Ability to work in Pasadena, CA (remote work is possible)

Submit a Cover Letter and Resume to:

Nicholas Miller, nick@entos.info