Scientific Solutions Engineer

About Flywheel

Flywheel is a young and innovative company, building a software platform to enable efficient and effective data and algorithm sharing between scientific research groups worldwide. Flywheel’s vision is to support successful and innovative science by creating a cloud-scalable scientific collaboration platform for reproducible research. Flywheel is funded and supported by Invenshure, a Minneapolis-based technology incubator.

About the Position

We are seeking a Scientific Solutions Engineer to join a growing and experienced team of engineers and scientists to create a world-class data sharing and distributed computing platform. We value self-motivated individuals who work well in a collaborative environment – constantly generating and sharing new ideas with the team.

Qualified candidates will have experience being the “Technical Integrator” for multiple academic or commercial research projects, connecting users, data, algorithms and results into a repeatable system. They will have demonstrated expertise with neuroimaging research methods and analysis tools, ideally involving MRI. Building and maintaining relationships with Flywheel users and customers will require an energetic and outgoing personality. This role will report to the Director of Customer Experience.

Environment

Work closely with our growing Technical Operations team that supports our customer installs, as well as our R&D operations. Team members are recognized and rewarded when advocating for, and improving customer success and satisfaction, over other concerns.

It is important to Flywheel that its team members have a healthy work-life balance. To support that, Flywheel can offer flexible work hours, onsite or remote location, comp time, and other options. This is in addition to our competitive benefits package.
Responsibilities

- Expand and support first-party Flywheel Gears (packaged scientific algorithms and applications). Aid customers in creating custom Gears and analysis pipelines to achieve their research project objectives.
- Promote “best practices” for Gear development and product usage through documentation, blog posts, ad-hoc training, etc.
- Develop methods for migrating historical data from file systems and other scientific data management systems.
- Develop methods for customers to load public datasets into Flywheel platform. Advisor to the product management for overall product experience and key stakeholder for expanding data types supported on Flywheel.

Preferred Experience

- Neuroimaging research workflow and analysis pipelines, including common tools, such as FreeSurfer, FSL, AFNI, SPM, ANTs
- PhD preferred; Masters degree considered. Published methods in neuroimaging a plus.
- Bash, Docker, Python, Matlab, BIDS conversant
- Integrating systems related to data acquisition and data analysis for users in multiple groups/disciplines

Please submit your resume on the Careers page of the Flywheel website https://flywheel.io, or contact Marla Peterson by email at marlapeterson@flywheel.io