Position
Entos Inc. provides tools for molecular and materials discovery through the use of physics-based machine learning. We have recently launched a new partnership to expand the reach and impact of our current technology. That partnership, with Schmidt Futures, a philanthropic initiative co-founded by Eric and Wendy Schmidt, will yield a platform for chemical discovery. The new platform, called Entos Envision (entos.ai/envision), will use machine-learning and quantum mechanics to enable researchers to find desirable molecules as easily as Google Maps makes route planning for motorists.

We seek a Jupyter developer to create a Mol* (the open-source software powering Envision’s visualization capabilities, molstar.org) plugin using current Envision technology to enable interactive 3D manipulation in Jupyter Notebooks. Successful applicants will have the opportunity to develop a state-of-the-art Jupyter extension for the chemistry community that improves ease of use and interactivity.

Responsibilities
• Design and develop a Jupyter extension using modern asynchronous binding capabilities for 3D visualization, interaction, and editing of molecular structures based on the Mol* (molstar.org) library.
• Work with a team of developers to understand the interactive use case and help develop novel solutions within this space.
• Ensure the resulting binding is highly responsive, easy to use, and is easy to install.

Preferred Qualifications
• 3+ years experience with both Python and TypeScript.
• A history of creating high-quality Jupyter extensions for scientific use.
• Experience working using the conda ecosystem and building Jupyter packages.
• Experience working with other Python/JavaScript binding technologies such as Plotly Dash.
• Experience with RxJS and JavaScript in modern frameworks is beneficial.

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, with the aim of disrupting entire industries. Our team is tight-knit 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!

Submit a Cover Letter and Resume to: Jeanne Grover, jeanne@entos.ai