

# PERSONAL SERVICES AGREEMENT

**Gabriela Garcia**

Vienna, Virginia

Gabriela (Gaby) Garcia has entered into a personal services agreement with the Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI). The purpose of the agreement is to establish the scope of work and expectations for her work as a Water Resources Specialist. The period of performance is September 28, 2020 through March 21, 2021, although the agreement may be terminated at any time by CUAHSI or Gabriela. This agreement is funded through the National Science Foundation cooperative agreement EAR-1848458.

**Position Requirements:** The position requires a knowledge of water resources issues, hydrologic science, water-resources data analysis and visualization, and a range of commonly used programming languages (R, Python) and application packages (Jupyter notebooks, ArcGIS) commonly used in water-resources research.

**Scope of Work and Expectations:** Gaby will work with CUAHSI staff to develop a gallery of community examples (i.e. Jupyter notebooks and MATLAB Live Scripts) that leverage CUAHSI Compute and Modeling software using R, Python, and other programming languages. The content of the notebooks will be determined in consultation with CUAHSI staff. She may also develop software packages to programmatically access CUAHSI Hydrologic Information System and HydroShare. Gaby may also provide other related services as needed.

# As a Water Resources Specialist, Gaby will expand CUAHSI’s community cloud computing capabilities for water science research and education through the development of new JupyterHub notebooks and other applications. CUAHSI's Compute and Modeling program consists of free and open-source software for constructing, executing, and visualizing hydrologic models and data in the cloud. These services are linked with CUAHSI's community data repositories to support reproducible science, collaboration, and academic publication.

# Gaby will work efficiently and independently in a remote setting with CUAHSI's operational and prototype software. This opportunity encourages exploratory research and active learning, with the expectation that Gaby will develop new skills and strengthen existing ones around industry-standard technologies.

Payment will be made bi-weekly at a rate of $30.00 per hour for up to 40 hours per week. CUAHSI will issue and file a 1099 for personal services rendered. Reimbursement for reasonable travel expenses for trips from the Washington, DC region to CUAHSI’s offices in Cambridge, MA will be made should such travel become necessary. Travel must adhere to CUAHSI travel policies.

Gaby’s immediate supervisor will be Anthony Castronova. She will file a weekly report with Anthony of hours worked.

CUAHSI: Consultant:



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Jerad Bales Gabriela Garcia

Executive Director