Environmental Neuroscience Lab Research Assistant (spatial data science)
Fall 2019-Spring 2020

Position Description
The Environmental Neuroscience Lab at the University of Chicago invites applications for a part-time position as a Research Assistant beginning in Fall 2019. The position comes with an hourly salary and opportunity to develop research methods with members of the Environmental Neuroscience Lab as well as the Mansueto Institute for Urban Innovation. The Environmental Neuroscience Lab is led by Dr. Marc Berman in the Psychology department.

Position Expectations
The Research Assistant will be working on a project called ReTUNE which generates walking routes based on restorative qualities of streets. ReTUNE routes currently cover the Hyde Park area (Project Website). In this phase of the project, we are working to scale-up ReTUNE for all of Chicago, while creating a reproducible pipeline that can be used for other cities as well. This will involve collecting and integrating data, writing reproducible code, and GIS visualization. Students may be able to develop this project into an Honors or Master’s thesis. For a more detailed description of the project, please email Kate Schertz (kschertz@uchicago.edu).

Position Qualifications
Applicants may be graduate or advanced undergraduate students in computer science, environmental and urban studies, computational social science, public policy, or other related disciplines. Preference will be given to candidates who have knowledge of Python and/or R programming, experience working with APIs and MapBox Studio. Previous work with GIS and raster spatial data is preferred.

Application Instructions
To apply, please email Kate Schertz (kschertz@uchicago.edu) and Dr. Marc Berman (bermanm@uchicago.edu). Include a CV/resume and short statement of interest, as well as contact information for 1-2 references. Review of applications will begin as soon as possible, and continue until the position is filled.