The InfoGraphics Lab in the Department of Geography is seeking applications for a Cartographic Research Graduate Employee (GE) at 0.49 FTE for academic years 2021-2022 and 2022-2023.

Overview: This GE position will support the development of the web-based *Pacific Northwest Atlas of Essential Work*, which will include histories and speculative futures of essential work, with an emphasis on the histories and stories of Black, Indigenous, and People of Color (BIPoC) workers who sustain our regional economy. The atlas will address how racial and ethnic communities have been displaced by uneven urban development and how essential workers have been affected by the twin crises of climate change and the pandemic. This work is in partnership with The Pacific Northwest Just Futures Institute for Racial and Climate Justice. See: [https://around.uoregon.edu/content/new-grant-will-create-institute-racial-and-climate-justice](https://around.uoregon.edu/content/new-grant-will-create-institute-racial-and-climate-justice).

Similar to other work in the InfoGraphics Lab, the *PNW Atlas of Essential Work* aims to communicate research from a wide variety of experts and efforts and to make this knowledge accessible to a broader audience through cartographic design and data visualization.

The GE will assist with data exploration and create web map and data visualizations for the atlas and may also contribute to other cartographic projects. The GE will develop professional-level expertise in current mapping techniques and design methodologies and will also assist with managing undergraduate employees on project tasks. The student selected for this position will be expected to enroll in the Department of Geography graduate program and write a research thesis or dissertation in geography preferably related to cartographic research.

Duties and Responsibilities:

- **Geographic Information System (GIS) and cartographic data compilation and analysis.** Works closely with the cartographic project manager on researching and compiling GIS, tabular, and other types of data; explores GIS data translates into graphics.
- **Web map and graphic layout and design** Assists with the layout, design, and development of both static and dynamic maps and graphics.
- **Cartographic design and production.** Assists with design and production of maps and data graphics Adobe Illustrator, InDesign, Photoshop, and other visualization and graphic design programs.
- **Proofing and quality control/quality assurance.** Proofs and edits draft versions of cartographic products.
- **Project coordination and training.** Coordinates with the cartographic production manager, editors, and graduate and undergraduate student staff. Working with undergraduate students is an important role of this position.

Eligibility: University of Oregon graduate students pursuing a master’s or doctoral degree in geography, with preference given to a Ph.D. student.

Qualifications: Preference will be given to applicants with demonstrated ability in the relevant areas.

Required skills:
- Interest in pursuing research engaging with racial, climate, and social justice
- Data visualization or data storytelling experience in cartography or related coursework/work experience
- Knowledge of cartographic design principles and fundamental GIS concepts
- Experience with ArcGIS Online, MapBox, and/or other web mapping environment
- Strong organizational and communication skills
- Ability to take direction and work in a collaborative group setting
- Ability to work independently and be self-directed

Preferable, but not required skills:
- Experience with collaborative or community mapping projects
- Experience with web programming (JS/CSS) including libraries such as D3.js, React, etc.
- Experience with web design concepts
- Familiarity with Adobe Creative Suite applications: Illustrator, Photoshop, and InDesign, and ESRI GIS software
- Experience with qualitative (interview) data coding
- Cartographic design and production skills
- Skills in the use of R and other analysis and visualization software and programming languages/environments

The University of Oregon is an equal opportunity, affirmative action institution committed to cultural diversity and compliance with the Americans with Disabilities Act
Terms, Application Procedure, & Deadline:

To express interest in this position and to be considered, submit a single PDF file containing the following to Graduate Admissions: Lacey Curran, laceyc@uoregon.edu:
  - Cover letter describing your relevant experience and scholarly interests
  - Curriculum Vitae

To be considered, the candidate must be accepted to the Geography graduate program, apply to the program here by **March 22, 2021**: [http://geography.uoregon.edu/graduate/admissions/](http://geography.uoregon.edu/graduate/admissions/)

Graduate employee (GE) is the term used at the University of Oregon for teaching, research, and administrative graduate student assistantships. UO GEs receive a competitive compensation package including: monthly salary, full-time tuition waiver, mandatory fees subsidy, and subsidized health insurance premiums, including coverage for eligible dependents. See: [https://gradschool.uoregon.edu/funding/ge](https://gradschool.uoregon.edu/funding/ge)

The student selected for this position will be expected to enroll in the Department of Geography graduate program. For program description and requirements see: [https://geography.uoregon.edu/graduate/doctoral/](https://geography.uoregon.edu/graduate/doctoral/)

Students must be admitted to the Graduate School at UO, in addition to the Department of Geography. To begin, go to the online application for the Graduate School: [https://gradweb.uoregon.edu/online_app/application/guidelines1.asp](https://gradweb.uoregon.edu/online_app/application/guidelines1.asp)

Please note that the graduate program application requires a $70 application fee for domestic applications or a $90 application fee for international applicants. Information regarding fee waivers can be found at: [https://gradschool.uoregon.edu/admissions/how-to-apply/application-fee-waivers](https://gradschool.uoregon.edu/admissions/how-to-apply/application-fee-waivers)

For questions please contact Carolyn Fish <cfish11@uoregon.edu> or Joanna Merson <jmerson@uoregon.edu>.