



## **Geospatial Developer**

**Location:** Brooklyn, NY (Hybrid)

**Type:** Full-time, permanent

**Pay:** Salaried Exempt, \$70,000–\$95,000

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### **Overview**

[SITU's Research](#) division is seeking a Geospatial Developer who is interested in joining a team engaged in projects that cross design, technology, and human rights. The work, which can broadly be understood as Visual Investigations, involves applied research and innovation in advocacy, legal, and journalistic contexts across a range of issues from suppression of dissent to rendering visible environmental crime. Our current work includes, but is not limited to, assembling and analyzing spatial evidence for international judicial organizations, developing tools for climate justice litigation and advocacy, and protecting freedom of protest and assembly. Our collaborators and clients have included: The International Criminal Court, The United Nations, PBS Frontline, The Associated Press, Human Rights Watch, among others. By joining our team, we offer the opportunity to support creative, world-changing projects.

The candidate should be experienced with geospatial analysis, scripting, web development, and managing 3D data across a range of formats. Experience with open source research and event reconstruction is a plus but not essential.

### **Qualifications**

- Experience with GIS tools like QGIS, ArcGIS, Leaflet, Mapbox
- Experience with software development (command line interface tools, scripting, web development)
- Experience with open source content discovery, archiving, and verification
- Strong written and spoken communication skills, ability to document work with attention to detail and incorporate critical feedback
- Demonstrated research skills and experience collaborating on interdisciplinary teams
- Openness to explore, use, and learn new methodologies, frameworks, and tools
- Familiarity with or interest in learning best practices via exposure to sensitive/graphic content
- Familiarity with or interest in learning best practices via design and access and accessibility

### **Preferred additional qualifications**

- Experience with leading a small team and overseeing a research project from start to finish
- Competency in 3D modeling and rendering software like Blender, Unity, Unreal, Rhino, or Cinema 4D, and an understanding of various rendering techniques and optimizations for large complex geometries
- Competency in the visual design of diagrams, maps, and 3D scenes
- Familiarity with After Effects, Premiere Pro and other motion graphics and video editing tools
- A degree in a design-related field such as Architecture, Urban Planning, Computer Science, or equivalent working experience is recommended but SITU will consider applicants from other fields as well

SITU offers competitive benefits and the opportunity to support creative, thoughtful projects in a studio environment. Benefits include employer health (including two fully funded options), dental, vision, life, and long term disability insurance plans. In addition to 120 hours of PTO, 16 paid holidays, and transportation benefits such as a subsidized CitiBike annual membership, a low-cost parking pass through the Brooklyn Navy Yard, and pre-tax commuter benefits. After a year of employment, you are eligible to contribute to a 401(k) plan through the business, and SITU will match your contributions, dollar for dollar, up to 4% of your annual pay.

## About You

An enthusiasm for technological innovation, creative problem solving, and applied interdisciplinary work is essential. Experience with design software, video/motion graphics and geospatial tools is preferred, in addition to the demonstrated ability to learn new tools and technologies on the job to meet project needs. SITU Research's practice touches social and political events from around the world. We are committed to diversity, equity, and inclusion in the workplace and beyond. We believe that having a diverse team (in terms of education, culture, ethnicity, race, class, sex, gender identity and expression, sexual orientation, age, ancestry, languages spoken, religion, mental or physical disability, national origin, citizenship status), is not only the right thing to do, but that it leads to more principled, ethical, and rigorous work. We strongly encourage applications from people who have been historically underrepresented in the fields of human rights, design and architecture.

## About Us

SITU is composed of three divisions—Studio, Research, and Fabrication—that work collaboratively while providing individual services. SITU Research is a visual investigations practice developing new forms of reporting to cut through digital noise and amplify truth. As an interdisciplinary team of architects, computer scientists, and researchers, we take a rigorous and comprehensive approach to synthesizing disparate forms of evidence in order to provide complete accounts of contested events. Whether in the form of interactive digital platforms or 3D site reconstructions, our visual tools allow victims and their advocates to access contextualized and reliable reports of what really happened. Select projects include: Crime Scene: Bucha (2022); The Crimes of ISIL against the Yazidi Community in Sinjar (2021); After the Strike (2021); The Trap (2020); Choking Dissent: How Tear Gas is Used to Crush Protestors (2020); Cerro de Pasco (2020); and the ICC Digital Platform (2016). These reports serve as an indispensable baseline for advocacy, litigation, journalism, and beyond.

## Learn More

<https://situ.nyc/research/profile>

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## Application Instructions

Please send your application materials to [work@situ.nyc](mailto:work@situ.nyc) with the subject line 'Geospatial Developer'

Include, as a single (1) PDF attachment:

- a cover letter telling us about yourself, what excites you about the opportunity, and what you can bring to the position
- your resume
- three (3) references
- a portfolio and / or 3 relevant work samples that will enrich our understanding of you and your experience.
- how you heard about the job posting

No phone calls please. Note that this opportunity will close on **September 30th, 2023**.