

## JENNIFER LILY HOROWITZ

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### EDUCATION

**Harvard University, Graduate School of Design (GSD)** MDes (current degree candidate)

**University of Southern California (USC), Spatial Sciences Institute** M.S., Geospatial Data Science

**Harvard College** B.A., *cum laude*

*Thesis:* “North of Eden: Utilizing GIS, Remote Sensing, and Spatial Analysis to Understand the Extent of Human Displacement in Connection with the Destruction of the Southern Iraqi Marshland”

### PROFESSIONAL EXPERIENCE

**Maxar Technologies**, Washington, D.C. (remote) May 2020 - present  
*Senior Intelligence Technician*

Support Maxar’s Strategic Growth Team through advancing Maxar’s SpaceNet.ai and DeepCore platforms and furthering corporate partnerships and collaborations with Amazon Web Services (AWS), TopCoder, and USGIF

**Geospatial Alpha**, Palo Alto Feb 2020 – January 2021  
*Intern*

Provide technical R&D work for the venture capital fund investments within geospatial technology, data, and applications

**Apache Nation San Carlos Gila River Contamination Project**, Arizona June 2019 - present  
*Geographic Information Systems (GIS) Software Specialist*

Develop maps and infographics to support tribe’s legal claims of increased cancer rates due to pesticide contamination

**U.S. Department of Homeland Security**, Washington D.C. May – Sept. 2017  
*Intern: FEMA, Centers for Disease Control, and U.S. Coast Guard*

Analyzed workforce efficiency to optimize management of ground personnel and interstate headquarters

### LEADERSHIP and COMMUNITY ENGAGEMENT

**Radio Show Host, Harvard on the Map** – [Honthemap.com](http://Honthemap.com) Sep. 2020 – present

Created and currently host of weekly radio show as part of the Harvard Graduate School of Design’s official radio program broadcasting weekly interviews with innovators and thought leaders in digital cartography

**Design Editor, *The Harvard Crimson*** Aug. 2016 – 2018  
Oversaw and contributed to the production of the *Crimson* design for editorial content

**GeoBuiz Summit & Los Angeles Geospatial Summit** Monterey and Los Angeles, CA  
Featured speaker on applications of remote sensing, spatial analysis

**GIS Corps** January 2020  
Providing GIS-mapping services for at risk and under-served communities. Most recently my work has been integrated into the Johns Hopkins Coronavirus Map

### HONORS

Fisher Prize, awarded to one Harvard College undergraduate for the best use of geographic information systems; honored for GIS satellite data analysis of effects on the Marsh Arabs of 1990s ecological destruction: [“A Spatiotemporal Analysis of Man-Made Ecocide: Saddam Hussein’s Reduction of the Southern Iraqi Marshes”](#)

Smithsonian Undergraduate Ingenuity Award Nominee, celebrating innovative undergraduate projects that intersect with Smithsonian initiatives; proposed creation of 3D models of national historic sites to support federal preservation

### SKILLS & INTERESTS

**Skills** Esri ArcGIS, QGIS, Figma, R, MySQL, Rhino, Adobe InDesign, Adobe Photoshop, FAA-107 certified UAV pilot

**Interests** Fencing, épée (fifteen-time medalist: Junior Olympics, US National Championships, North American Cup, FIE World Cup), four-time member of US Fencing All-Academic Team (GPA above 3.9), FAA-107 certified UAV pilot