

# Joshua Murbarger

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## Relevant Experience

### Treeswift, Philadelphia, PA

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| Data<br>Annotation<br>Specialist<br><br>4/22 – present | <ul style="list-style-type: none"><li>• Create high-precision carbon and timber datasets for training machine learning models using drone-acquired imagery and LiDAR data.</li><li>• Process, store (AWS S3), and document digital orthophotos of sample timber plots.</li><li>• Calibrate LiDAR and Photo positioning. Employ Git for version control.</li><li>• Make helpful suggestions regarding pipeline/tool improvement.</li><li>• Mentor new hires in process/tool use.</li></ul> |
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### Julien J. Studley, Inc (now known as Savills US)

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| Manager of<br>Research &<br>Information<br>(DC Office)<br><br>4/03 – 9/04<br><br>Associate<br>(Philadelphia)<br><br>8/02 – 4/03<br><br>Researcher<br>(Philadelphia)<br><br>3/01 – 8/02 | <ul style="list-style-type: none"><li>• Managed spatial database of recorded lease and sales comparables, tenants, square footage leased, expiration dates, proposed buildings, and vacancies. Performed regular analyses to identify trends and report to brokers.</li><li>• Performed GIS-based public transit and drive-time analyses to assess site relocation consequences on client workforce.</li><li>• Assessed labor pool feasibility via demographic analysis of Census data.</li><li>• Wrote client-facing quarterly real estate market review and compiled local market data for national, annual rent index.</li><li>• Abstracted leases and performed financial analyses to compare potential lease scenarios. Analyzed SEC EDGAR 10-K filings for lease exposure data.</li><li>• Researched local companies using national business databases to develop prospective client lists. Cold-called leads.</li><li>• Prepared client pitch presentations. Created graphs and charts to illustrate commercial real estate market trends.</li><li>• Created mail merge templates to automate site tour surveys and streamline branding.</li><li>• Located new, external datasets for GIS library.</li></ul> |
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## Education

### Temple University, Master's in Geospatial Data Science (expected: 6/2024)

- Completed coursework in Advanced Spatial Statistics in R and GIS Application Development in Python.

### St. John's College, Annapolis, BA, 1997

- Great Books – Majors: Philosophy/History of Math and Science, Minors: Literature/Classics

## Technical Skills

**Python, R, SQL, ArcGIS, QGIS, Tableau, Git, MS Office**

**References Available upon Request.**