

Bella Dougherty

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EDUCATION

University of Iowa

Bachelor's of Science, Geography (GIS Track)
Analysis & Minor in Political Science

Iowa City, IA

Aug 2022-May 2026 Certificate in Political Risk

WORK EXPERIENCE

Stead Family Children's Hospital

Safety Store Associate

Iowa City, IA

July 2025-Present

- Provided high-quality customer service while accurately assisting clients and communicating product information
- Maintained organized inventory and records, supporting efficient operations and attention to detail

Rob Sand Campaign

Financial Intern

Des Moines, IA

Nov 2024 - June 2025

- Used donor databases and spreadsheet software to research, track, and manage potential donors
- Supported campaign networking by assisting with special projects and coordinating donor outreach around events

Cedar Rapids Water Department

GIS Water Intern

Cedar Rapids, IA

May 2022 - Nov 2022

- Collected and verified field data using ArcGIS Field Maps to document undocumented pipelines across Cedar Rapids
- Updated and maintained ArcGIS datasets (ArcMap and ArcGIS Pro) for 200+ pipelines, including additions, removals, and lead assessments
- Assisted with special projects analyzing pipeline conditions and mapping areas with lead-containing pipes
- Performed spatial analysis and created maps to support water infrastructure planning and reporting

PROJECTS

GIS Flood Risk Analysis Project (ArcGIS Pro, LiDAR-derived DEM and DSM, hydrologic modeling)

- Created flood risk maps for downtown Cedar Rapids identifying high-risk areas and differences between modeled and official flood zones

Sea Level Rise Impact Analysis (DEM analysis, sea level rise and flooding models)

- Mapped projected impacts of 1m, 2m, and 3m sea level rise on Boston, identifying vulnerable land and infrastructure areas

Least Cost Road Path Analysis | Siliguri–Lhasa (via Nepal) (Least cost path analysis)

- Identified an optimal road route considering geography, infrastructure, and environmental constraints

SKILLS

| ArcGIS Online | Autocad Map | ArcGIS PRO | LiDAR | QGIS | PGadmin/Databases | Microsoft Office | Java | Python | ArcPy | Customer Service | Data Collection | ArcGIS Field Maps | Civil3D | ArcGIS Survey123 |