Eli Baldwin

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Objective: I am a recent graduate seeking to gain employment in the field of GIS and remote sensing.

Education:

M.S. in Geographic Information Science (GIS): Clark University 2020

B.A. in Geography: Clark University 2019, Summa Cum Laude

- Dean's List, high honors, every semester.
- Ellen Churchill Semple award, the Geography Department's award for most outstanding graduating senior.

Relevant Coursework:

Advanced Remote Sensing•GIS & Land Change Models•Advanced Vector GIS•Intermediate Quantitative Methods•Advanced Raster GIS•Python programming•Computer Programming for GIS•GIS & Map Comparison•Open Source GIS and Web Mapping

Experience:

Human Environment Regional Observatory (2017-18)

- Field Research on Urban Tree Health, including taking direct measurements and conducting interviews. Data handling and processing in Microsoft Excel and IBM SPSS.
- Individual and group research and presentation.

Honors Thesis (2018-2019) "Predicting Maize Yield Using High-Resolution Imagery"

- Summer field research on crop health and yield, including taking in situ measurements and assisting in UAV flight and image processing.
- Computer simulation of crop growth and yields using DSSAT and regression analysis.
- Data, including image, handling and processing in GIS software and R.
- Awarded high honors.

Master's Thesis (2019-Present) "Agricultural Landcover Change in Zambia"

- Using existing data and GIS methods/techniques to analyze patterns and drivers of changes in agricultural landcover.
- Validation of agriculture landcover data.

Research Assistant (paid position), Clark Labs (June 2019-present)

- Landcover classification of satellite imagery, with a focus on mangrove and aquaculture ponds, using regular algorithms and a machine learning algorithm in TerrSet.

Skills (in order of familiarity):

GIS software

- TerrSet, ArcMap, GeoDa, ArcGIS Online

Programming Languages

- R, python, JavaScript (Github account BaldwinEli)

Other

- Microsoft Excel, IBM SPSS, Google Earth Engine, DSSAT, STATA, SenseFly