

# MALCOLM SIMPSON

## URBAN PLANNER

## Employment

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### Office of Sustainability at SUNY Geneseo

Intern and Cartographic Researcher

2014 to 2016

- Coordinated and managed office initiatives in pursuit of a campus-wide composting system.
- Performed spatial analysis and site selection for permaculture and 'no-mow' locations on the SUNY Geneseo campus.
- Created maps reflecting the views and findings of the office concerning campus policy change to be presented to university administrators.

### Department of Geography at SUNY Geneseo

Teacher's Assistant

2016 to 2016

- Assisted in the teaching and the development the Advanced GIS curriculum.
- Provided critical feedback on GIS educational lab work concerning potential issues with labs and useful additions.
- Maintained office hours and lab hours for student assistance.

### African Environmental Stability Project

Cartographic & Research Intern

2015 to 2016

- Analysed spatial social insecurities in East African Mega Cities for the AESP at the United States Military Academy at West Point. Manipulated and condensed Excel data sets.
- Produced a map series for presentation and publication.
- Conducted research and literature collection.
- Provided critical feedback in meetings with research group members.

## Projects

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#### Comparative River Management Research

- Compared river management techniques between the Scheldt and Thames Rivers.
- Compared differences and similarities between Scheldt and Thames local governance networks.
- Proposed alterations to Thames River management based on the success of Scheldt River SIGMA Plan.
- Managed and edited group work.
- Presented findings as a film presentation.

#### New York Regional Coastal Management

- Analyzed new governance strategies in New York coastal management and flood protection.
- Proposed the creation of the 'Tri-State Water Authority' to be responsible for coordination among local coastal and water management groups.
- Managed and edited group work.
- Presented findings as a Powerpoint presentation.

#### L Subway Line GIS Analysis

- Identified L Subway Line service area using network analyst and NYC open source data.
- Analysed land use of the L Line service area using zoning lot classifications and commercial permits found in open source data.
- Located potential transit corridor expansions based on similar land use and degrees of development.
- Produced a series of maps to demonstrate results.

#### Kampala Mapping Project

- Manipulated Excel data set of ground interviews conducted in Kampala, Uganda in preparation of cartographic representation.
- Generated a map series from the Excel data set to depict relative differences in social securities across Kampala.
- Presented cartographic work performed for the African Environmental Stability Project at the Third African Symposium on the Role of Cities in Development at the Department of Geography and Environmental Engineering at the United States Military Academy at West Point.

#### SUNY Geneseo Campus Permaculture Research

- Worked with the Office of Sustainability and Grounds & Maintenance departments to develop criteria for permaculture installations.
- Performed spatial analysis and site selection of permaculture locations based on agreed-upon criteria.
- Presented my methods and findings at the American Association of Geographers 2016 Annual Meeting in San Francisco.

#### SUNY Geneseo Bike Network

- Digitized the SUNY Geneseo campus using ortho-imagery.
- Created a network layer using roads and pathways with the localized slope as cost.
- Performed network analysis to determine optimal bike paths to and from major destinations on campus.
- Presented research at the Geographic Information Sharing Special Interest Group (GIS/SIG) Conference.

## Contact

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## Education

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### University of Groningen

Masters of Science Environmental and Infrastructure Planning 2017

### State University of New York at Geneseo

Bachelors Geography and International Relations 2016

Cum Laude

Member of Gamma Theta Upsilon, the international geographic honor society.

## Skills

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### GEOGRAPHIC INFORMATION SYSTEMS (GIS)

ESRI Suite

Data Management

Interpolation

Map Creation

Spatial Analysis

Network Analysis

### MICROSOFT OFFICE SUITE

Excel Data Management

PowerPoint Poster Creation

Word Formatting

### COMMUNICATION

Community Outreach

Public Speaking

Group Work

Team Leading

### STRATEGIC PLANNING

Land Use Analysis

Coastal Management and Flood Protection

Network and Systems Analysis

Sustainable Development

### MANAGEMENT

Scheduling

Supervising

Effective Conduit of Communication between Upper Management and Staff

Conflict Resolution