

ANTONY MWANGI WAMBUI

Contact

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OBJECTIVE

Seeking to utilize and foster my geospatial analysis, GIS map production and editing, including ecological planning, design and research skills through active participation and collaboration in environmental protection initiatives.

TECHNICAL SKILLS

Proficient with the following:

- **Arc GIS Desktop** and **Advanced Spatial Analytics** through GIS, Ecological Planning and Landscape Design courses: <http://antonymwambui.wordpress.com/gis-projects/>
- **Arc Scene:** GIS based 3-D and Cross-sectional visualization including animation.
- **AutoCAD** through professional practice in landscape planning and design. Also proficient in geo-referencing CAD drawings.
- **GPS:** Proficient in mapping grade GPS operation including both TerraSync and Arcpad GPS applications.
- **Jamar Traffic Counter:** Proficient in collection of Turning Movement vehicular, bike and pedestrian traffic data including peak volume analysis using PetraPro application.
- **ERDAS Imagine:** Geo-coding, Image Preprocessing and Image Classification.
- **Google Sketch Up** through landscape modeling and design, and digital media courses in landscape architecture.
- **Adobe Creative Suite** (Photoshop, Illustrator and In Design) through creation of presentation quality drawings and graphics.
- **Ms-Office Suite:** Excellent skills in Ms-Word; Ms-Excel; Ms-Access; MS-Project; and Power point
- **Programming:** Basic python scripting.
- **Writing and Research:** Masters' thesis abstract submission accepted for presentation in the 2012 CELA and EDRA conferences in Chicago and Seattle respectively. <http://antonymwambui.wordpress.com/research-work/>

PROFESSIONAL DEVELOPMENT

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| August 2010 to May, 2012. | Masters in Landscape Architecture and Certificate in GIS – North Carolina State University, Raleigh, USA.
GPA standing: 3.95 |
| August to December 2009. | Masters in Landscape Architecture and Spatial Planning – Wageningen University and Research Centre, Wageningen, The Netherlands.
On NUFFIC Scholarship, relocated to the USA after First Semester.
Courses Covered: <i>Advanced Presentation Skills, Project Planning and Organizing, Ecological Design Theory and Professional Academy GIS-based Design Research on Urban Microclimatic Design.</i>
GPA standing: 3.77 |
| April 2001 to April 2006. | Bachelor in Landscape Architecture and Certificate in Environmental Impact Assessment – Jomo Kenyatta University, Nairobi, Kenya.
First Class Honors. GPA standing: 3.88 |

PROFESSIONAL EXPERIENCE

**Transportation Department, City of Durham,
NC. USA** **Part-time**
Data Collector **March 2012 to Date**

- Collection of turning movement traffic data using Jamar counter and field survey notes.
- Verification of data quality and integrity including GIS spatial joining.
- Technical reports writing

North Carolina State University. Raleigh - USA **Part-time**
Teaching Assistant **January to December 2011**

- Assisting in teaching of Landscape Architecture Description Studio to the first year MLA class with emphasis on energy and water sustainability through ecological design.
- Assisting in given topics research and project data mining using ArcGIS for the description studio.
- Assisting in evaluation of student work.
- Team member charged with research, design, GPS site coordinates collection and installation of NCSU artist backyard's campus rain garden geared toward ecological stormwater management and literacy:
<http://ncsudesignbuild.wordpress.com/awardshonors/the-artists-backyard-and-owens-refuge/summer-2011/>

Prolak Designs. Nairobi - Kenya **Part-time**
Consulting Landscape Architect **July 2007 to August 2009**

- Consulting on landscape planning and design for both local and out of the country projects in South Sudan (Juba) and Rwanda (Kigali).
- Executed project programming and supervision of projects' construction.
- Cooperated in preparation of projects' competition and tender documents.
- Contributed in environmental impact assessment and audit with the aid of GIS analysis.

Jomo Kenyatta University. Nairobi - Kenya **Full-time**
Teaching Assistant **January 2007 to August 2009**

- Assisted in teaching of urban and rural planning and design studio to the 4th year undergraduate class with an emphasis on economic and environmental sustainability.
- Team member in revising the landscape architecture course curriculum with an emphasis on GIS education and certificate level programs.
- Solicited for ASLA professional magazine resources from Ecoscapes LTD in aid of the Landscape Architecture department library.

Lariak Landscapes LTD. Nairobi – Kenya **Full-time**
Assistant Landscape Architect **May 2006 to December 2007**

- Assisted in landscape planning and design projects with emphasis on detailed design.
- Coordinated the development of a planting materials palette file for the firm.
- Assisted in site analysis, inventory and supervision for landscape construction projects.
- Fostered planning and design analytical thinking.

UN-HABITAT. Nairobi - Kenya **Internship**
Student Volunteer **April to August, 2004**

- Team member in re-designing Jevanjee Gardens toward enhancing urban safety.
- Assisted with coordinating community outreach programmes through posters and walks.
- Assisting with administrative office support duties including database management.
- Post-occupancy evaluation studies and report production team member.

AWARDS AND HONOURS

- Recipient of 2012 NCSU College of Design Academic Achievement Award.
- 2012 ASLA Student Award of Honour and Merit Finalist.
- Recipient of 2012 Landscape Architecture Best International Student, College of Design at NC State University.
- Recipient of 2011 Landscape Architecture Best International Student, College of Design at NC State University.
- Recipient of 2007 Basco Products (Kenya) Limited, Dura Coat Award of Academic Excellence.
- Recipient of 2005 Vice Chancellor's Award of Academic Excellence.
- Recipient of 2003 Vice Chancellor's Award of Academic Excellence.

REFERENCES

1. KoSok Chae
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City of Durham, Transportation Department.
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2. Daniel A. Howe (ASLA, AICP)
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