Timothy Mwiti

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CAMPUS ADDRESS
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EDUCATION

Northwestern University ,Evanston, IL   June 2019
Bachelor of Science in Computer Science

COURSE PROJECTS

Design Thinking and Communication Project   Evanston, Illinois
                                                                                                                    January 2016-March 2016

- Collaborated with 4 students to create designs and architectural plans for renovation of Elder and Centennial Beaches in Suburban Illinois.
- Developed visual aids for the project utilizing PowerPoint and Blender.
- Designed systems to ensure that the beach was accessible to people with disabilities by including a swim ramp on the EZ Kayak Launch$^{TM.}$
- Designed ADA compliant access channels around the beaches.
- Pitched the final project to members of the Winnetka community and delivered a final report and master plan to the client.

RELEVANT EXPERIENCE

Technological Innovations for Inclusive Learning & Teaching (TIILT)   Evanston, Illinois
Research Assistant   January 2017- Present

- Worked in a team of 4 under the guidance of a professor to implement voice and vision control over the Blender interface.
- Researched the advantages that Python scripting gave Blender over other 3D design software such as OpenSCAD.
- Adapted and rewrote code from an existing project to work with our model.
- Learnt and used the Blender-Python scripting functionality to implement functions to carry out different commands.
- Implemented a working model of voice control in blender.

PaceMaker International, NaiCode Coding Camp   Nairobi, Kenya
Co-Founder/Tutor/ Mentor   July 2016-September 2016

- Worked in a team of 4 to teach coding to 25 high school graduates in the local Lang'ata community.
- Compiled and covered a syllabus covering Java and Android Programming.
- Worked with two student teams as a mentor; collaborated with them on their personal projects and oversaw the completion and showcasing of two successful projects.
- Launched a networking series that involved visiting tech innovation spaces in Nairobi such as iHub and Africa's Talking.
- Implemented voice applications for the NGO using APIs from Africa's Talking.

LEADERSHIP EXPERIENCE

Equity Group Foundation   Nairobi, Kenya
College Counselor and Peer Mentor   April 2015-Aug 2015

- Guided Kenya's top 120 high school graduates in applying to top global universities.
- Helped 33% scholars gain early admission to colleges of their choice.
- Selected as one of 200 students into the Equity Group Foundation Scholars based on national examination score.

Computer Skills

- Intermediate: C++, C#, Java, Python, Android Development, MATLAB, DrRacket, PowerPoint.
- Basic: HTML, CSS, JavaScript, Microsoft Office (Excel®, Word®) Blender, AUTOCAD, PHP.