

Mwai Karimi

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EXPERIENCE

Kyero, Bristol, UK — *Graduate Data Analysis Engineer*

July 2017 - December 2017

- Performed data wrangling and scraping with Python
- Helped developed machine learning algorithms to predict house prices, customer preferences and consumer trends.
- Developed dashboard reports on Chartio and Tableau
- Analysed data by writing complex MySQL and Postgresql queries.
- Analysed and examined data using aggregation pipelines in MongoDB
- Worked with Google Analytics and Campaign monitor APIs to query data, build reports and understand customer behaviour.

SSGC, Swindon, UK — *Junior Software Developer*

Feb 2016 - August 2016

- Maintained existing web applications and codebase in the LAMP stack & Javascript
- Performing database queries on SQL Server
- Helped build and redesign the prototype of an Android mobile app

Urban Kreative, Nairobi, KE — *Web Developer*

September 2013 - December 2014

- Helped craft new and maintain existing websites for clients. Worked with the LAMP stack, HTML5, CSS & Javascript
- Helped develop an e-learning platform (EnezaElimu) aimed at revolutionising Kenya's education system.

Fresh Ideas, Nairobi, KE — *S.E.O Analyst*

April 2013 - December 2014

- I performed keyword research to optimize existing content.
- Executed strategies for content development
- Administered search engine programs (XML sitemaps, feeds, webmaster tools) for purposes of diagnostic reporting

Live Unchained, Washington DC, US — *S.E.O Intern*

May 2012 - December 2012

- I managed and developed campaigns for Facebook, Twitter & Tumblr
- Helped set up RSS readers to monitor social media activities around similar media, arts initiatives and women organisations.

EDUCATION

The Algarve University, Faro, PT — *Msc. Informatics Engineering*

February 2015 - September 2018

Core subjects: neural networks and machine learning, computer evolution, advanced software engineering, image processing and systems programming.

Thesis: “Benchmarking performance of RDBMS and NoSQL on Unstructured Data”

Daystar University, Nairobi, KE — *Bcom. Management Infor. Systems*

May 2009 - June 2013

Graduated with upper second class honours (66.75%).

Core subjects: System analysis and design, software engineering, data structures and algorithms.

SKILLS

Python, Django, JavaScript, HTML5, CSS, MySQL, PostgreSQL, MongoDB, Docker, Heroku, Celery, Solr, Numpy, Pandas, Chartio, Mapbox, Tableau, Photoshop, Illustrator

TALKS / PROJECTS

I was one of the first recipients of the [**MongoDB Diversity Scholarship**](#)

Active member of [**Faro Dev Day**](#). Gave a [**talk**](#) on it's premier.

[**AlterConf Berlin**](#) - my talk on ‘How Accessibility in Mobile Devices has Changed Lives in Sub-saharan Africa’

[**DISC New York**](#) - Took part in the NumFocus/PyData Unconference working on projects focussed on data science ethics and inclusivity in the data science community

[**Github.com/Kmwai**](#) - repository with some of my personal projects

PERSONAL

Passionate about women empowerment, diversity in tech and issues homologous with race and equality.