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Mwai Karimi

SKILLS

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

EXPERIENCE

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

July 2017 – December 2017

- Performed data wrangling and scraping with Python
- Helped develop 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.

TALKS and 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**](#) – NumFocus/PyData Unconference with 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.