

Usman Khaliq

Freetown, Sierra Leone

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RELEVANT WORK EXPERIENCE

Intellectap

Freetown, Sierra Leone

Project Coordinator & Research Consultant

November 2017 – Present

Led the Government to People Payments research work for UNCDF, in partnership with the Bank of Sierra Leone, the Ministry of Finance & Economic Development

- Establish contact with all financial inclusion actors and conduct stakeholder interviews on the status of the digital financial services (DFS) ecosystem in Sierra Leone
- Assess opportunities for digitizing bulk payments and design methodologies around new opportunities to innovate, including regulatory upgrades and private sector engagement
- Design survey methodology for government employees, digitize and deploy survey on a Computer Assisted Personal Interviewing (CAPI) platform, and manage a team of 10 enumerators to collect data from 200 respondents.
- Manage the data collection and cleaning pipelines to prepare data for statistical and graphical analysis
- Deploy regression and statistical functions to infer insights from the survey responses

iDT Labs

Freetown, Sierra Leone

Consultant, Financial Inclusion FinTech Lead

July 2015 - Present

Worked with public and private sector clients in the Information, Communication and Technology for Development (ICT4D) space for creating customized software solutions, with specific opportunities in human centric design to develop and test fintech solutions to improve access to finance.

- Lead human centered designer and software developer for iCommit, a mobile-money based conditional cash savings scheme for subsistence farmers that aims at improving uptake of Digital Financial Services (DFS) in West Africa
- Software developer for an SMS Gateway that allowed service operators to provide text message alerts to customers
- Technical and project management consultant for a nationwide enterprise resource planning (ERP) system for the Pay No Bribe Sierra Leone, a DfID funded project

Code for Sierra Leone

Freetown, Sierra Leone

Country Manager

July 2015 - Present

Initiated a community of civic coders, designers and policy advocates working on improving delivery of public services in Sierra Leone

- Research lead for [MWash](#), a water and sanitation point mapping platform that aimed to improve the delivery of water and sanitation services in Freetown, with support from The Engine Room's [Matchbox Program](#)
- Development research lead for MembaO, a data driven platform for tracking performance of Parliamentarians in Sierra Leone. Supported by the [innovateAFRICA](#) grant from the Omidyar Network and the Bill and Melinda Gates Foundation.
- Project Lead for the Sierra Leone [OpenGov Fellowships](#) .Liaised with the ministry departments in understanding their open data requirements, and formulating projects to digitize their data management processes
- Project Lead for the [StoryLab Academy](#), a Google News Lab initiative that imparted data journalism training to newsrooms and journalist schools, with the aim of training 6000 journalists across Africa by 2018

World Bank

Monrovia, Liberia

Consultant, Open Data

July 2017 – September 2017

- Co author and researcher for the World Bank's [Open Data Readiness Assessment Report](#) for Liberia

- Conducted an action oriented assessment of the readiness of the Government of Liberia (GoL) to evaluate, design and implement a nationwide open data initiative
- Developed the diagnostic around the role of senior leadership and the current policy and legal framework in the formulation of the open data initiative

Statistics Without Borders

Dec 2016 – Feb 2017

USA

Pro Bono Data Analyst

- Led a team on a project with the Young African Leaders Initiative Network on measuring the impact of their exchange program via a baseline, midline and end-line evaluation
- Deployed statistical analysis libraries and exploratory data analysis techniques in R to measure the impact of the exchange program according to the Socially Responsible Leadership Scale toolkit

IBM Research Africa

July 2016 – September 2016

Regional

Consultant

- Conducted a two month long proof of concept and pilot for an [infectious disease surveillance dashboard](#) developed by IBM Research Africa for USAID's *Fighting Ebola: a Grand Challenge for Development* award

Infosys Ltd.

Bangalore, India

InStep Intern, Infosys Labs

July 2014 -August 2014

- Created a browser plugin from scratch within 4 weeks for optimising the speed and usability of responsive web applications

AIESEC in GIKI

Topi, Pakistan

Managing Director

March 2014 -March 2015

- Ran a global internship program with a team of 30, achieving a relative growth rate of 100% within a period of 12 months

EDUCATION

Ghulam Ishaq Khan Institute of Engineering Science and Technology

BSc Computer Engineering - **GPA: 3.35/4.00**

2011 -2015

- Rank: Top 10% of class
- **Dean's Honor Roll** for scoring Distinction in 3rd and 8th semesters

Independent Coursework

2014-Present

35 online courses completed with verified certificates from Coursera, edX and +Acumen

- *Human Centered Design, Lean Data Approach to Measure Social Impact*
- *R Programming, Process Mining, Extrapolatory Data Analysis, Statistical Inference, Machine Learning*

PROJECTS

A 360 Degree Marketing Plan for a Low Cost Water Purification System

Unilever Business Plan Competition. Brand Winners, and project featured by Acumen

Nov 2014-Jan 2015

Piloted a marketing plan based on the human-centered design methodology for PureIt, a water purification system for low income families in Pakistan

SKILLS

Programming Languages: Python, R, Java, JavaScript, SQL, C++

Data Visualization Softwares: Tableau, Carto DB, Google Fusion Tables, Arc GIS

Other Tech Skills: Functional knowledge in machine learning, process mining, UI/UX design

Other Skills: Human Centered Design, Open Data, Government Reform, Impact Evaluations, Project Management