

IHUDIYA FINDA OGBONNAYA-OGBURU

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EDUCATION

UNIVERSITY OF MICHIGAN (UM)

Ph.D. in Information Science

- Specializations: HCI, ICT4D, Data Science

Ann Arbor, MI

Expected 2022

HARVARD GRADUATE SCHOOL OF EDUCATION (HGSE)

M.Ed. in Technology, Innovation, and Education

Cambridge, MA

May 2015

ROCHESTER INSTITUTE OF TECHNOLOGY (RIT)

B.S. in Information Technology

Minor in Communications

- Concentrations: Database, Web Design, and Application Development

Rochester, NY

May 2010

RESEARCH EXPERIENCE

CAST

Research Assistant

- Lead software evaluator for research project
- Developed a test eBook to explore the possibilities of its usage in the classrooms of juvenile correctional settings

Wakefield, MA

May 2015 – June 2015

HARVARD UNIVERSITY GRADUATE SCHOOL OF EDUCATION

Research Assistant

- Transcribed video data from the EcoMobile research project field studies
- Analyzed and coded transcriptions of video files

Cambridge, MA

January 2015 - May 2015

DEPAUL UNIVERSITY HUMAN COMPUTER INTERACTION

Research Assistant

- Developed online scrappers using Python that collected over 10,000 threads
- Developed interview protocol for parents and community members
- Performed literature review on research topic
- Performed qualitative content analysis using inductive coding based on Grounded Theory
- Lead programmer of online conversations using Atlas.Ti

Chicago, IL

April 2014 - August 2014

TEACHING AND TRAINING EXPERIENCE

MIT D-LAB

Curriculum Developer

- Researched creative common curriculum surrounding energy and electronics
- Developed and refurbished curriculum for over 100 students surrounding energy and electronics for International
- Development Innovation Network (IDIN) Innovation Centers in Uganda, Brazil, and Tanzania

Cambridge, MA

August 2014 - December 2014

PEACE CORPS

ICT Local Government Capacity Builder

Letlhakeng, Botswana

September 2011 - February 2014

Page 1 of 5

- Project and Logistics Manager for a 30,000 Pula (\$4,000) Girls and Guys Leading Our World Camp for 30 children
- Developed a Needs Assessment of the Letlhakeng Community and District AIDS Coordinating Office, utilizing community interviews, census data, health statistics, focus groups
- Delivered one-on-one training to government officials and community leaders on Microsoft Office Software (Word, Excel, PowerPoint, Publisher), social media, and email to improve their efficiency and effectiveness at their professional roles

INTERNAL DRIVE

Washington, D.C.

Technology Instructor

May 2007 - August 2007

- Taught over 70 campers ranging in age from 10-17 Video Game Creation Xtreme using Multimedia Fusion game editor, and Torque Game Builder
- Worked in a team to oversee and lead indoor and outdoor activities
- Supervised day and overnight campers in various activities throughout the day

TECHNICAL EXPERIENCE

U.S. DEPARTMENT OF STATE

Washington, D.C.

Smarter IT Fellow (Product Manager)

January 2017 – August 2017

- Purchased, setup, and trained Atlassian JIRA and Confluence to a group of 14 government employees and contracting staff
- Created testing protocols for three usability studies for students and supervisors for the Virtual Student Federal Service (VSFS)
- Marketed and implemented usability studies for six individuals
- Updated certificate process for over 3000 participants for the Virtual Student Federal Service program
- Wrote two internal articles sharing experiences developing personas and using internet in a low resource setting
- Developed over eight mockups for the homepage, reporting pages, and general pages for the Virtual Student Federal Service program
- Developed Technical Direction Letter for funding for the Virtual Student Federal Service program
- Developed a four-page analysis of the usage of Piwik within the Department of State
- Planned and led a 15-person department-wide workshop on how to create a persona
- Technical Liaison for an interagency partnership of Department of State and the General Services Administration
- Analyzed usage of the VSFS website and its over 5000 users using Google Analytics, Excel, and Tableau
- Lead requirements gatherer and Statement of Work developer for Bureau of Economic and Business Affairs Team

UPLIFT EDUCATION

Dallas, TX

Data Analytics Team Application Developer

July 2015 – November 2016

- Designed, developed, implemented and maintained Uplift Education's Intranet solution and its architecture per organization's vision and best practices using HTML5, CSS, JavaScript and Tableau that is accessed by over 1400 users
- Obtained technical requirements through interviews and analysis of existing functionality and databases
- Evaluated technology vendors and products based on business and technical requirements and provide recommendations
- Maintained and upgraded Tableau Server
- Tableau Dashboard Developer
- Proactively communicated and collaborated with external and internal customers (e.g., teachers, school leaders, grantors, etc.) to analyze information needs and functional requirements

WGBH

Digital Kids Production Assistant

Brighton, MA

January 2015 - June 2015

- Developed the Admin User Submissions Spec for the Design Squad Submissions Database that is used to shared detailed information on how team members should review submissions
- Analyzed data and assisted in the development of the formative evaluation of the Design Squad Website
- Conducted user/play testing for the Design Squad website
- Analyzed user/play testing data
- Assisted in the brainstorming process of the development of Plum Landing Games
- Designed personas based on user/play testing sessions and research
- Performed QA and bug reporting for Plum Landing Games
- Reviewed kid's submissions to the Design Squad website
- Developed blog submissions for the Design Squad Blog that is accessed by over 130,000 users monthly

HARVARD GRADUATE SCHOOL OF EDUCATION (HGSE)

Web Support Specialist

Cambridge, MA

August 2014 - January 2015

- Researched, developed, and implemented the HGSE Usability Study surrounding specific sections of the HGSE website that is accessed by 200,000 users on a monthly basis
- Developed and updated Open Scholar websites for HGSE Faculty and lab groups
- Tested and debugged issues within the HGSE Drupal website

BOOZ ALLEN HAMILTON

Software Engineer

McLean, VA

June 2010 - August 2011

Internal Revenue Service—Enterprise Portfolio and Project Management

- Customized, created, and maintained additional functionality for the software, Primavera ProSight, using JavaScript, for over 2,300 ProSight users
- Guideline and documentation writer for internal processes and requirements analysis

Internal Revenue Service—Large Business and International

- Developed, in a team, a software tool that utilized complex reports for an IRS workload selection system using .NET and SQL Server
- Tester and Subject Matter Expert concerning Section 508 Policies

XERXO

Phoenix Project Software Engineer

Rochester, NY

March 2009 - August 2009

- Developed software tools to automate processes that were currently manual, time consuming, error prone and sub-optimal using Java and VBA
- Participated in the evaluation and recommendation of the best software development tools for each deliverable
- Created SRS documentation, business presentations, and data models to effectively communicate to the business and technical staff concerning software projects and deliverables

LEADERSHIP EXPERIENCE

Harvard Graduate School of Education Student Council Communications Officer

2014 - 2015

Peace Corps Botswana Information Communication Technology Committee Founder and Chairperson

2012 - 2014

National Peace Corps Association Serving Volunteer Advisory Board Social Media Senior Advisor

2012 - 2013

Women in Computing Ambassador	2008 - 2010
RIT Leadership and Community Service Center Student Advisory Board President:	2008 - 2009
AALANA (African American, Latin American, and Native American) Collegiate Association Vice President	2007 - 2008
Resident Advisor	2006 - 2007

PUBLICATIONS

Erete, S., Nicole, L., Mumm, J., Boussayoud, A., & Ogbonnaya-Ogburu, I. F. (2016, May). That Neighborhood is Sketchy!: Examining Online Conversations about Social Disorder in Transitioning Neighborhoods. In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems (pp. 1180-1186). ACM.

CORE COMPETENCIES

PROGRAMMING LANGUAGES:	Java, JavaScript, PHP, HTML, CSS, C++, ActionScript, .NET, VBA, Python
CONTENT MANAGEMENT SYSTEMS:	WordPress, Joomla, SharePoint
USER EXPERIENCE:	Sketch, InVision, Balsamiq, Lucid Chart
MULTIMEDIA SOFTWARE:	Adobe Photoshop, Adobe Illustrator, Adobe Flash
INSTRUCTIONAL DESIGN:	Adobe Connect, Desire2Learn myCourses
DATABASES:	Microsoft SQL Server, MySQL, Microsoft Access
DATA ANALYSIS:	Atlas.Ti, Tableau
LANGUAGES:	Krio (Proficient), Tswana (Intermediate), American Sign Language (Beginner), Spanish (Beginner)

AWARDS AND RECOGNITION

Rackham Graduate School Merit Fellowship, University of Michigan	2017 - 2022
The President's Volunteer Service Award Recipient	2008
National LeaderShape Institute Graduate	2007
RIT Urban League Scholarship Recipient	2005 - 2009

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

Organizational Leadership Certificate	2007
Global Leadership Certificate	2006

SELECTED CONTRIBUTED TALKS

Tapia Conference: Tech for Good: Using Technology for Social Impact	2016
Grace Hopper Conference: Leading Global Impact through Open Source	2015
Harvard Graduate School of Education Workshop in conjunction with the Digital Problem-Solving Initiative (DPSI): A Dish of Practical Code Advice with a side of HTML/CSS	2014
Systems: Girls ICT Day 2014	2014
Washington DC Black Data Processing Association (BDPA) Computer Class: Career Options and Outlook as a Computing Professional	2014
PEARLS after School Club at Judge Sylvania Woods Elementary: Life as a Peace Corps Volunteer	2014

PROJECTS

POWERUP: PowerUp is an educational choose-your-own-adventure game that pre-adolescent girls (12 to 14) learn about reproductive health and self-esteem by navigating the life of their avatar. We developed a prototype based on front-end evaluation with our target users and research surrounding our target users. A 20-page proposal and pitch presentation were also developed within two weeks and presented to a team of experts for additional feedback and evaluation.

Website: <https://github.com/systems/ossprojects/wiki/PowerUp>

Recognition:

Accepted at Harvard Graduate School of Education Student Research Conference 2015;
On-going project during Systems Google Summer of Code

BLOCKU: Blocku is an open source puzzle game geared towards 4th grade students around the world. Students can play the game independently and with friends. Teachers can use it to evaluate learned concepts in their classroom.

Website: <https://wiki.sugarlabs.org/go/Activities/Blocku>

Recognition:

Over 6,000 downloads
Ranked in the top 10 of the National STEM Video Game Challenge in the student game category

VOLUNTEER EXPERIENCE

Uplift Education Substitute Computer Instructor	2016
Harvard WeCode Conference Volunteer	2015
Systems Google Summer of Code Project Manager	2014 to 2016
BDPA Computer Instructor	2016

COUNTRY EXPERIENCE

Botswana, Namibia, Zambia, South Africa, Lesotho, Mozambique, Nigeria, Dominican Republic, Barbados

PROFESSIONAL MEMBERSHIPS

ACM, IEEE, BDPA, NSBE, CRA-W, IAAMCS, NSBC