

Oghenemaro Anuyah

PH.D STUDENT (2023 EXPECTED) · UNIVERSITY OF NOTRE DAME

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Overview

- PhD student with a solid background in user experience research and data science. My research lies in the intersection of human computer interaction, machine learning, and data science. My research interests include qualitative and quantitative research methods, visualization design, recommender systems, machine learning, and information retrieval. Outstanding leadership, communication, and time management skills. Seeking a challenging and varied internship position that will enable me leverage my research skills and educational experience, with opportunities for personal and professional growth. I have published 12 peer-reviewed journal/conference papers, including 6 first-authored ones. These papers have been published in venues such as IDC, TheWebConf, CHIIR, and RecSys.

Education

Ph.D in Computer Science and Engineering

UNIVERSITY OF NOTRE DAME

Jan 2020 - PRESENT

Notre Dame, IN

- **Advisor:** Dr. Ronald Metoyer
- **GPA:** (3.9 / 4.0)

Ph.D in Computer Science (transferred out)

BOISE STATE UNIVERSITY

Aug 2018 - Dec 2019

Boise, ID

M.S in Computer Science

BOISE STATE UNIVERSITY

Aug 2016-Jul 2018

Boise, ID

B.S in Computer Science

DELTA STATE UNIVERSITY

Nov 2008-Oct 2012

Delta, NG

Technical Skills

UX Methods	Mixed Methods, Usability Test, Interview, Observation, Surveying, Affinity Diagramming
Statistical Analysis	ANOVA, Paired t-tests
Data Science / Machine Learning / AI	Regression, Classification, Clustering, Deep Learning
Software	Jupyter Notebook, Google Colab, IntelliJ IDEA, PhpStorm, GitHub, Eclipse, Microsoft Office Packages
Database Management	MySQL, Oracle
Programming	Python, R, Java, Keras
Web Development Languages	HTML, CSS, JavaScript, D3.js, PHP, Flask framework
Operating Systems	Mac OS, Microsoft Windows, Linux, UNIX
Relevant Courses	Human Computer Interaction, Quantitative Methods, Data Visualization, Natural Language Processing, Data Science, Computational Behavior Modelling, Recommender Systems, Machine Learning, Databases, Analysis of Algorithms, Information Retrieval

Experience

Microsoft Corporation

DESIGN RESEARCH INTERN

Redmond, WA

June 2021 - August 2021

- Conducted research in the Mixed Reality team.
- Wrote and published a literature review in the Microsoft literature database.
- Conducted interview study with target customers and analyzed result findings.
- Presented literature review and interview findings to stakeholders.

University of Notre Dame

RESEARCH ASSISTANT

Notre Dame, IN

January 2020 - present

- Work on research projects aimed at designing and evaluating user-centered AI explanations.
- Conduct user studies with target users to evaluate designed explanation interface.
- Design recommendation system tailored to the needs of vulnerable users for facilitating access to social services.
- Conduct research studies to understand the information needs of users in order to visualize and explain software trace links.
- Conduct literature reviews on existing publications in my research area.
- Read, analyze, and write research publications in my research area.

TEACHING ASSISTANT

August 2020 - present

- Teaching assistant for Human Computer Interaction.

Boise State University

Boise, ID

RESEARCH ASSISTANT

August 2016 - December 2019

- Conducted research on enhancing web search environments for children.
- Implemented a search interface for archiving children's search sessions.
- Designed an interface that adopts visual cues in presenting query suggestions to users.
- Conducted qualitative and quantitative analysis to understand how search engines respond to children's information seeking needs.
- Mentored two undergraduate students and one M.Sc student for research.
- Prepared detailed research reports.
- Worked in a team environment to meet project goals.

TEACHING ASSISTANT

May 2017 - August 2017

- Tutored undergraduate students "Introduction to Programming with Java."

Selected Publications

- (C1) **Anuyah O.**, Fine, W, and Metoyer, R. "Design Decision Framework for AI Explanations". In: *Proceedings of the Mensch und Computer Workshop on User Centered Artificial Intelligence (UCAI)*, July, 2021.
- (J1) **Anuyah O.**, Milton A., Green M., and Pera M. S. "An Empirical Analysis of Search Engines' Response to Web Search Queries Associated with the Classroom Setting". In: *Aslib Journal of Information Management (Vol. 72 No. 1, pp. 88-111)*, December 2019.

Selected Volunteer Experience

Riverglen GO STEM (girls only) Day Camp

Boise, ID

STUDENT VOLUNTEER

Summer 2019

- Taught middle school female students how to program Lego robots.

Engineering and Science Festival, Boise State University

Boise, ID

NSBE STUDENT LEADER AND EVENT CO-ORGANIZER

Spring 2019

- Leveraged lego coding express to introduce young children to coding.

Awards & Recognitions

2020-21	Scholarship Recipient , Funded to attend the Richard Tapia Computing Conference	Virtual
2020-23	Contributor , National Science Foundation (NSF) grant with award number 1901059 (Ph.D)	Notre Dame, IN
2019	Scholarship Recipient , Alfred M. Dufty, Jr. Graduate Student Travel and Presentation Award	Boise, ID
2018-19	Contributor , NSF grant with award number 1763649 (Ph.D)	Boise, ID
2019	Scholarship Recipient , NSBE BCA/Major/Fellows (\$2,500)	USA
2019	Scholarship Recipient , Funded by IAAMCS to attend National Society of Blacks in Computing Conference	Atlanta, GA
2018	Nominee , Boise State University Campus Award for Commitment to Community	Boise, ID
2017	Scholarship Recipient , Funded by Anita Borg Institute to attend Grace Hopper Conference	Orlando, FL
2017	Scholarship Recipient , Funded by Computing Research Association to attend CRA-W Grad Cohort	Washington, DC
2016-18	Contributor , NSF grant with award number 1565937 (M.S.)	Boise, ID
2016-17	Scholarship Recipient , Boise State University Graduate GEM Scholarship	Boise, ID
2010-12	Scholarship Recipient , Delta State Bursary	Delta, NG

Service

- 2020-22 **Reviewer & PC Member**, ACM SIGIR Conference on Human Information Interaction and Retrieval
- 2020-21 **Vice President of Careers**, Africa Graduate Club of Notre Dame
- 2019-20 **Co-Publicity Chair**, ACM UMAP Conference
- 2019 **Student Volunteer**, ACM IDC Conference
- 2018-19 **Vice President**, National Society of Black Engineers (NSBE): Boise State University Chapter
- 2018-19 **Financial Officer**, ACM-W: Boise State University Chapter