hudsonbailey.org || h@hudsonbailey.org || Chicago IL 60609 || 610 755 5471

EDUCATION

University of Chicago   **Chicago, IL**

M.A. || *Social Sciences* || 2017
Thesis: *Interfaced Affects: Computing, Mediation and Care in Neuropsychiatric Monitoring* || Advisor: Joseph Masco

Oberlin College   **Oberlin, OH**

B.A. || *Neuroscience* || 2015
Capstone: *Inverting Psychometric Diagnostics to Identify Ototoxic Gene-Environment Interactions in DFNB3 "Isolated Village Deafness" in Bengkala, Bali* || Advisor: Leslie Kwakye

RESEARCH EXPERIENCE

University of Chicago, Anthro. Dept.   **Chicago, IL**

Graduate Student Researcher || *Sept 2016 – Aug 2017*
- Conducted "laboratory study" composed of seven months of ethnographic research with psychiatrists, data scientists, neuroscientists and entrepreneurs
- Used participant observation and semi-structured interviews to study the technical and conceptual development of a patient monitoring app for bipolar disorder
- Supported project with graduate training in theory and methodology

Kwakye Multisensory Integration Lab   **Oberlin, OH**

Research Assistant || *Sept 2013 – July 2015*
- Designed and supervised development of 'virtual reality' application for studying how sensory systems interact
- Acting lab manager for recruitment, scheduling, correspondence and study moderation with research study participants
- Updated lab data management practices by building streamlined analysis programs to integrate data across multiple concurrent studies

Oberlin College, Anthro. Dept.   **Oberlin, OH**

Research Assistant || *Feb – June 2015*
- Conducted background research for professor's book on environmental science and war in the Middle East
- Prepared literature reviews on topics in environmental economics and systems ecology
- Analyzed media of journalism about military activities and ecological projects

Simen Cognitive Neuroscience Lab   **Oberlin, OH**

Volunteer Research Assistant || *July – Aug 2013*
- Programmed computer-based neuroscience tasks for computational studies on human decision-making

TEACHING EXPERIENCE

Self-Employed   **Chicago, IL**

Tutor || *Feb 2016 – Apr 2018*
- One-on-one tutoring for undergraduate, professional and returning students in essay writing, symbolic logic, and graduate test prep (GRE)

Robot City Workshop   **Chicago, IL**

Instructor || *Mar – June 2016*
- Taught electronics, physics and engineering concepts to elementary school students as part of traveling city-wide after-school program

Oberlin College, Philosophy Dept.   **Oberlin, OH**

Grading Assistant & Peer Tutor || *Sept 2013 – Dec 2014*
- Graded assignments and tutored students in undergraduate philosophy course on symbolic logic

RELEVANT WORK EXPERIENCE

Self-Employed   **Chicago, IL**

Editor & Writer || *Jan 2018 – present*
- Copy-editing, proof-reading and ghostwriting industry and lay-audience articles about technology

CoNECt Lab   **Chicago, IL**

VR Technology Consultant || *July – Oct 2016*
- Facilitated early-stage 'virtual reality' project design for an experimental Body Dysmorphia exposure therapy–part of a collaboration between psychiatry department and engineering school

COMMUNITY & ARTS

No Nation Art Gallery & Lab   **Chicago, IL**

Resident Artist || *Feb – Aug 2016*
- Coordinated gallery exhibitions, performances, artist talks for independent gallery space
- Pursued artistic and research projects related to technology, surveillance, sound

The Powerplant   **Oberlin, OH**

Event Manager || *Aug 2014 – Feb 2015*
- Managed and facilitated concerts at music venue featuring local artists and bands
- Promotions for concerts and events

WOBC 91.5 FM   **Oberlin, OH**

Disc Jockey || *Jan 2013 – Dec 2014*
- Hosted and planned weekly community radio shows covering a range of musical genres including punk, improvised and Brazilian music

PUBLICATIONS

- Bailey, H. D., Mullaney, A. B., Gibney, K. D., & Kwakye, L. D. (2018). Audiovisual integration varies with target and environment richness in immersive virtual reality. *Multisensory Research*, 31(7), 689 – 713. doi:10.1163/22134808-20181301

CONFERENCE PRESENTATIONS

- Toward a Naturalistic Model of Multisensory Integration. Poster presented at *Society for Neuroscience* (2015), Chicago, IL.
- Multisensory Integration in Immersive Virtual Environments. Talk presented at *Perspectives on Synesthesia from Neuroscience* panel, Synesthesia Symposium (2015), Oberlin, OH.
- Audio-Visual Integration Varies with Stimulus and Background Complexity in a Virtual Environment. Poster presented at *Annual Biomedical Research Conference for Minority Students* (2014), San Antonio, TX.

ADDITIONAL COURSES

- **2018** *CopyrightX* || HarvardX || Prof. William Fisher

AWARDS & SCHOLARSHIPS

- **2016-17** *Merit-Based Full Tuition Scholarship* || University of Chicago
- **2015** *Department Student Travel Award* || Oberlin College Neuroscience Dept.
- **2015** *Associate Membership Nomination* || Sigma Xi
- **2014** *ABRCMS Full Travel Award* || Annual Biomedical Research Conference for Minority Students
- **2013-15** *Class of 1928 Scholarship* || Oberlin College
- **2013** *Class of 1961 Scholarship* || Oberlin College

SOFTWARE & TECHNICAL PROFICIENCIES

- **Writing & Organization**: bibliography management, project management, Git (version control), office suites (G/MS/Libre), Markdown, text editors, spreadsheets, presentation programs, Linux (Ubuntu, Debian)
- **Visualization & Media**: desktop publishing, vector graphics, static web development, LaTeX (type-setting), 3D computer graphics, VR scripting and design, ffmpeg (A/V post-production)
- **Programming Languages**: Python, Java, Bash, R, Processing

LANGUAGES

- English (native)
- Spanish (intermediate)