

Brooke A. Jarrett

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PROFILE

MSPH student focusing on infectious disease epidemiology, vaccines, and emergency response. Operations manager with strong skills in design thinking, project implementation, and employee development. Researcher with lab and field experience.

EDUCATION

MSPH Global Disease Epidemiology and Control, expected March 2017

Johns Hopkins Bloomberg School of Public Health (4.0 / 4.0)

Certificate in Emergency Management and Business Continuity, Oct. 2014

University of Illinois in Chicago (4.0 / 4.0)

MS Environmental Engineering, June 2011

Northwestern University (3.9 / 4.0), *Walter P. Murphy Fellow*

BS Environmental Engineering, June 2010

Massachusetts Institute of Technology (3.6 / 4.0)

PUBLIC HEALTH EXPERIENCE

Intern: New York City, USA, Sept. 2016 - Present

United Nations Children's Fund (UNICEF), Immunizations, Health Section

- Facilitating development of the UNICEF Global Immunization Roadmap for 2030
- Analyzing 13 national health policies for themes concerning universal health coverage and the equity of immunization among the urban poor

Graduate Research Scientist: Potchefstroom, South Africa, June 2016- Present

Johns Hopkins School of Public Health, Department of Epidemiology

- Launched and now remotely managing a randomized community trial of two education-based interventions to reduce TB disease incidence among HIV+ patients in four government-run clinics
- Led recruitment for and training of three study staff members
- Developed and piloted standard operating procedures for field data collection
- Built and am currently managing our RedCap database
- Regularly communicating progress to PIs via weekly reports and Skype calls
- Designed health promotion materials, i.e. posters and calendars

Student Investigator: Baltimore, MD, Oct. 2015 - Present

International Vaccine Access Center (IVAC) study in Korangi, Pakistan

- Leading implementation of a qualitative sub-study among 14 fieldworkers to assess perceptions of four sampling methods' feasibility, acceptability, and validity
- Designed protocol, focus group and interview guides, and consent forms
- Tested parent study's Android electronic field survey app

Program Analyst: Ahmedabad, India, March 2012- May 2012

Innovation Centre for the Poor

- Designed project website, written reports, and presentations
- Proposed metrics and designed manuals for three public health interventions

Muhammad Yunus Innovation 10K Winner: Agra, India, Oct. 2010 - May 2012

People's Action for Clean Hands

- Wrote winning grant and collaborated with team on hand hygiene project
- Led ideation for new handwashing products and supported implementation

Research Scientist: Evanston, IL, Aug. 2010 - Jan. 2012

Laboratory of Environmental Geochemistry at Northwestern University

- Gathered samples of hazardous sediments and fresh lake water
- Wrote standard operating procedures and managed four undergraduate students

Graduate Advisor: Arica, Chile, Nov. 2010 - Jan 2012

Engineers for a Sustainable World, Project Thirst

- Led design process and taught WHO Guidelines for Drinking-Water Quality
- Wrote successful grant proposals that won over \$10,000 for fieldwork

LEADERSHIP EXPERIENCE

Co-Founder: San Francisco, CA, Feb. 2016 - Present

www.projectalloy.org

- Co-founded and am leading a nonprofit organization that aims to increase diversity in the tech industry by recruiting and sponsoring persons underrepresented and new in tech to attend conferences.
- Planning recruitment and selection process for 100 grantees to attend Strange Loop 2017

Operations and Project Manager: Elmhurst, IL, Sept. 2012 - July 2015

McMaster-Carr Supply Company

People

- Wrote annual performance reviews, provided weekly feedback, and developed 45 employees across three teams
- Initiated and collaboratively rolled out 2-year training program for new employees to Publishing Departments

Projects and Operations

- Developed business strategy for modernizing visualizations of 500,000 products on the website and phone apps
- Analyzed transportation data and increased same day delivery to 55 additional customers daily
- Adjusted capacity of 25-person team to satisfy 80% of 700 customer requests daily in one hour or less

Emergency Dispatcher, Data Analyst, and Volunteer Trainer: Greater Chicago Region, Nov. 2012 - July 2015

The American Red Cross

- Trained 60 volunteers and staff on geocollaborative emergency response tools over two 3-hour sessions
- Mapped initial response of shelters, canteen vehicles, and disaster assessment of 2013 Illinois tornadoes
- Cleaned and analyzed data on house fires locations and volunteer addresses to optimize recruitment

Independent Documentary Film Maker: Ica, Peru, July 2008 - Dec. 2010

Escuchen! A film about post-earthquake reconstruction

- Produced a full-length film featuring footage from 8 participatory workshops with 10 local youths
- Biked 100 miles through affected areas to interview 40+ reconstruction organizations and communities

SELECT PRESENTATIONS AND EXHIBITIONS

- “*Components of an Effective Common Operating Picture.*” Thesis presentation in student exhibition at the International Disaster Conference (re-branded now as “RES/CON”), 2015: New Orleans, LA.
- “*Public Health and Emergency Management.*” Guest lecturer at Northwestern University, 2013: Evanston, IL.
- “*Project Thirst: Safe Irrigation Water for the Driest Place on Earth.*” Young Professionals and Fresh Ideas Poster Representative for the Illinois Chapter at the American Water Works Association Annual Conference and Exposition, 2011: Washington, D.C.
- “*Bicilavadora.*” Featured exhibitor at the USAID Science, Technology, Innovation Forum, 2010: NYC, New York.

VOLUNTEERING

- Reading tutor at Wolfe Street Academy (2014-2015)
- Emergency Services volunteer at the Chicago Chapter of the American Red Cross (2011-2015)
- Field program coordinator for MIT alumni service trip to Quito, Ecuador with Kallari Cacao Cooperative (2010)
- Lead mentor for MIT Museum’s Rube Goldberg Middle School Competition (2008-2010)
- Fundraiser, bicyclist, and affordable housing volunteer on 4500 mile cross-country trip with Bike and Build (2008)

PUBLICATIONS

- Xie M, **Jarrett B**, Da Silva-Cadoux C, Fetters K, Burton A, Gaillard JF, and Packman A (2015). ‘Coupled Effects of Hydrodynamics and Biogeochemistry on Zn Mobility and Speciation in Highly Contaminated Sediments.’ *Environmental Science & Technology*. 49 (9): 5346-5353.
- **Jarrett B**, Peitzmeier S, Gardner I, and Weinand J, (2016). ‘Health seeking behavior for chest binding outcomes among transgender and gender non-conforming adults: a cross-sectional study.’ *Manuscript under review*.
- **Jarrett B**, Gong W, et al. (2016). ‘Three survey methodologies to assess vaccination coverage: A qualitative comparison among fieldworkers of perceived feasibility, validity, and acceptability.’ *Currently drafting*.

PROFESSIONAL DEVELOPMENT

Languages: Spanish (3), French (1)

Computer Skills: Excel, STATA, Data Management (SQL, REDcap, Access), InDesign, Photoshop, Illustrator, Sketchup

Memberships: Council of State and Territorial Epidemiologists, JHSPH Students for International Health, MIT Chi Epsilon Civil Engineering Honors Society