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Education

Master of Arts The Pennsylvania State University – State College, PA (Aug 2020 – Present)

- Sociology and Demography

Bachelor of Arts Goshen College – Goshen, IN (Aug 2014 – May 2018)

- Interdisciplinary Studies: Biology, Chemistry, and Psychology
 - *Summa cum laude*
 - Senior thesis: *Reading in the Digital Age: The Efficacies of Interactive and Non-Interactive E-books During a Single Study Session*
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Research Experience

Intramural Research Fellow National Institutes of Health – Bethesda, MD (Jul 2018 – Jul 2020)

- Principal Investigator: Dr. Laura M. Koehly
- Enroll, consent, and conduct semi-structured interviews with participants for social network research
- Implement aseptic laboratory techniques to prepare blood and saliva samples for analysis
- Collaborate with team members to analyze data and present findings

Maple Scholar Goshen College – Goshen, IN (May – Jul 2016)

- Developed a comprehensive survey designed to help evaluate the efficacy of 1:1 iPad Programs in post-secondary education
 - Communicated with and received data from 20 universities and colleges worldwide
 - Illustrated research with formal poster presentation
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Posters and Presentations

Shetler, A., Gurayah, A., Marcum, C.S., & Koehly, L.M. *Resource accessibility for families affected by rare disease: A mixed-methods approach exploring how relocation impacts health*. 2020 NIH Postbac Poster Day; 2020 Apr 29; Online.

Shetler, A., Marcum, C.S., & Koehly, L.M. *The influence of ecological factors and social networks on self-rated health*. 2019 NHGRI Symposium; 2019 Nov 25-26; Bethesda, MD.

Shah, N., **Shetler, A.**, & Koehly, L.M. *Caregiving for fragile children: Benefits and barriers to utilizing state services*. NIH Summer Poster Day 2019; 2019 Aug 8; Bethesda, MD.

Hyman, S., **Shetler, A.**, & Koehly, L.M. *Fulfilling expectations: The association of interpersonal stressors and support satisfaction with primary caregivers' mental health*. NIH Summer Poster Day 2019; 2019 Aug 8; Bethesda, MD.

Manalel, J., **Shetler, A.**, Gurayah, A., & Koehly, L.M. *Stress coping among parent-caregivers: Links to mental health*. Social & Behavioral Research Branch Quadrennial Review; 2019 Jun 10-12; Bethesda, MD.

Shetler, A., Gurayah, A., Manalel, J., & Koehly, L.M. *Social relations in the context of rare disease: Caregiver's personal support networks*. NIH Postbac Poster Day 2019; 2019 May 2; Bethesda, MD.

Gurayah, A., **Shetler, A.**, Marcum, C.S., & Koehly, L.M. *Distance and disease: Accessibility to care, support networks, and physical health of caregivers providing for those with inherited metabolic disorders*. NIH Postbac Poster Day 2019; 2019 May 2; Bethesda, MD.

Gurayah, A., **Shetler, A.**, Marcum, C.S., & Koehly, L.M. *Providing for those with rare diseases: The association between social factors and caregiver health*. 2018 NHGRI Symposium; 2018 Nov 29-30; Bethesda, MD.

Gurayah, A., **Shetler, A.**, Marcum, C.S., & Koehly, L.M. *Providing for those with rare diseases: The association between social factors and caregiver health*. 2nd North American Social Networks Conference; 2018 Nov 27-30; Washington, D.C.

Shetler, A. & Milanese, E. *Classroom technology: Exploring iPad programs in higher education*. Maple Scholars Public Poster Show; 2016 Jul 14; Goshen, IN.

Teaching Experience

R Teaching Assistant National Institutes of Health – Bethesda, MD (May – Aug 2019)

- Taught summer seminar on data organization, analysis, and visualization in R

Chemistry Teaching Assistant Goshen College – Goshen, IN (Aug 2015 – Apr 2018)

- Prepared chemicals, solutions, and equipment for laboratory use
- Assisted, tutored, and graded class work in and outside of the laboratory

Work Experience

Administrative Assistant Greencroft Communities – Goshen, IN (Apr 2015 – Jul 2018)

- Collaborated with administration to establish standardized Employee Handbooks for eight continuing care communities in Indiana, Ohio, and Michigan
- Organized and edited all corporate policies, exhibiting proficiency in Adobe and Microsoft Suites

Education Technology Student Worker Goshen College – Goshen, IN (Sep 2016 – Dec 2017)

- Determined useful iPad apps for class lectures
- Compiled Maple Scholar research data into professional reports

Volunteer Service

Center for Healing and Hope Goshen, IN (May 2017 – May 2018)

- Greeted and registered patients with fellow volunteers, ensuring a welcoming and inclusive environment

- Performed analyses using ArcGIS to determine the best sites for a new clinic to be built

KKKT Clinic

Tarime, Tanzania (Apr – Mar 2017)

- Communicated with patients in Swahili
- Performed stool analyses, widal tests, HIV tests, and MRDTs

Elkhart County Clubhouse

Goshen, IN (Aug – Dec 2014)

- Cleaned and prepared meals with members of the clubhouse
- Formed meaningful relationships with members and other volunteers

Technical Skills

Productivity

- G Suite
- Illustrator, InDesign, Photoshop
- Inkscape
- Microsoft Suite
- WordPress

Geospatial Systems

- ArcGIS
- Carto
- Google APIs, Earth, Maps
- Mapbox
- QGIS

Statistical Packages

- R
- JMP

Other

- \LaTeX

Other Notable Activities

Writing and Publishing a Scientific Paper Course
Cartography MOOC
Health Science Communication and Policy Workshop
Data and Communications Intern
Co-Vice President of Pre-Health Club
Women's World Choir
Mentor for Freshmen Biology Weekend
Co-President of Tree Care Committee

National Institutes of Health (Jan 2020)
 Esri Online (May 2019)
 National Institutes of Health (Sep 2018)
 Community Resilience Guild (2017 – 18)
 Goshen College (2017 – 18)
 Goshen College (2014 – 18)
 Goshen College (Sep 2017)
 Goshen College (2016 – 17)