
Krista Schaefer

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(219)508-3051

PROFILE:

Dedicated, passionate and analytical public health advocate with experience in STI/HIV research, family planning program monitoring and evaluation, and teaching. Flexible team player with expertise in:

- Data collection
- Epidemiological interpretation
- Evaluation framework
- Data analysis
- Survey design
- International work

EDUCATION:

Master of Public Health (MPH), University of Illinois at Chicago, Chicago, IL May 2016

Epidemiology and Biostatistics

- Douglas Passaro International Award (Summer 2015)
- John and Grace Nuveen International Award (Summer 2015)
- UIC Board of Trustees Scholarship (Fall 2014)

Bachelor of Science (BS) in Mathematics, Valparaiso University, Valparaiso, IN May 2012

Summa cum laude, Honors College Associate

- Phi Beta Kappa member
- Valparaiso University Service and Leadership Award
- Kermit H. Carlson Endowment for Academic Achievement in Mathematics

PUBLIC HEALTH EXPERIENCE:

Researcher September 2016 – current
Southcentral Foundation

- Researched the pharmacogenomics impact on tobacco cessation in Alaska Native peoples

Researcher May 2015 – August 2016
Nyanza Reproductive Health Society, Kisumu, Kenya

- Researched the integration of family planning within existing environmental conservation organizations
- Managed monthly monitoring visits with 5-member team
- Conducted a retention test for about 50 community health workers
- Designed and developed a client satisfaction survey distributed to 100 participants
- Analyzed clustered data with a sample size of 10,000 in multivariable regression model

Teaching Assistantship August 2015 – May 2016
University of Illinois at Chicago (UIC)

- Taught, graded and tutored a graduate epidemiology and biostatistics class of 51 students and an undergraduate epidemiology class of 60 students
- Reinforced class material and homework problems during office hours
- Mentored student research and facilitated improved scientific writing

Graduate Assistantship August 2015 – December 2015
UIC School of Public Health, Office of Diversity and Inclusion

- Coordinated large group reviews of epidemiology and biostatistics 2 hrs/week
- Facilitated one-on-one sessions 8 hrs/week with students seeking epidemiology help
- Worked collaboratively with colleagues to help non-traditional students succeed

OTHER EXPERIENCE:

Fulbright Nepal

June 2012 – May 2013

English teaching assistant in Gorkha, Nepal

- Taught English, math and social studies 6 hrs/day 6 days a week to grades 6, 7, 8 and 9
- Developed assessment tools for grading standardized exams
- Facilitated teacher training programs focused on reading strategies, targeting primary level teachers in rural villages
- Led 80 low-income Nepali 9th and 10th graders in American cultural programs, leadership training and advanced English in a US Embassy sponsored after-school program
- Overcame cross-cultural barriers in a rural village in Nepal
- Immersed in a home stay living arrangement, learned cultural traditions and quickly developed a range of communicative Nepali skills

Assistant Women's Tennis Coach

August 2013 – May 2014

Valparaiso University, Division I Tennis

- Coached 10 young women 5 days a week and during match play
- Assisted head coach in coordinating the season and complying with NCAA rules
- Traveled with the team to 25 matches a year
- Advised each player on personal and academic goals

PUBLICATIONS:

Noecker C., **Schaefer K.**, et al. (2015). Simple mathematical models do not accurately predict early SIV dynamics. *Viruses: Bioinformatics and Computational Biology of Viruses* 7(3), 1189-1217.

RESEARCH:

- National Institute of Mathematical and Biological Synthesis Undergraduate Conference: *Modeling of Early SIV Infection Dynamics*
- Rose Hulman Institute of Technology Undergraduate Research Conference: *SIR Modeling of the Bubonic Plague: Is Quarantine Beneficial?*
- Christ College Student Symposium winner: *The Changing of Chinese Medicine: Interlacing TCM with Western Practices*

SKILLS:

- Proficiency in SAS, Stata, and R
- Detail-oriented study design developer
- HIPAA and CITI Investigator Training
- Talent in teaching and mentoring young adults from all cultures
- Intermediate German language skills, beginning Nepali and Spanish
- Experience living and traveling abroad in many developing countries

ACTIVITIES:

- World AIDS Day committee chair 2015 & 2016
- Global Health Student Interest Group co-chair

- Mental Health First Aid certified Jan. 2015 to Jan. 2018
- School of Public Health International Night committee