

Elizabeth Holzhausen
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Education:

University of Wisconsin Madison – School of Medicine and Public Health: September 2015 – present
Madison, WI

GPA: 3.79

PhD in Epidemiology

University of Wisconsin Madison: Graduated May 2012

Madison, WI

GPA: 3.72

Major: Mathematics Certificate: Computer Science

Research:

Erika W. Hagen, Alexandra Spicer, **Elizabeth Holzhausen**, Jess Gorzelitz, Paul E Peppard. Association of cognitive function with accuracy of self-report of body mass index, sleep duration and physical activity in adults (Submitted for Initial Review).

Collaborative Undergraduate Research Lab

UW-Madison: Spring 2012

Investigated the distribution of affine F_q points over super-elliptic curves using Sage and developed a heuristic to calculate the number of such points.

Collaborative Undergraduate Research Lab

UW-Madison: Spring 2011

Worked to expand Gouvea's "Where the Slopes Are" by researching the exceptional slopes of cuspidal modular forms at varying weights and postulating the potential distributions of exceptional slopes.

Honors:

Outstanding New Student Scholarship – May 2015

Awarded to new graduate students in the Department of Population Health Sciences at UW-Madison who show promise in the program.

Mark H. Ingraham Scholarship – May 2012

Awarded to one undergraduate mathematics major annually for excellence in mathematics.

Honors in the Liberal Arts

Broad coursework in the liberal arts, including honors courses in the humanities, social sciences and sciences including additional original research projects and teaching lectures.

Graduation with Distinction

Awarded to students who graduate in the top 20% of their class with at least 60 in-residence credits.

Phi Beta Kappa Member

Members are invited to join based on distinguished performance in study, research and leadership sustained over a period of years.

Dean's Honor List – 4 semesters

Work Experience:

Population-based Microbiome Research Core Project Assistant: August 2017 – present
Population Health Institute – UW-Madison
Madison, WI

Skills: Developing protocols for sample collection and laboratory handling and storage of samples to be later used in microbiome analysis; training students and field staff on sample collection and laboratory protocols; conducting quality assurance related to sample collection and laboratory protocols.

Projects: Coordinating a large study with multiple home visits and types of sample collection; creating data entry tools and reports for field staff and administrative staff to cover all areas of data collection, from recruitment to environmental sample collection to participant payment; conduct analyses on the relationship between microbiome diversity and other health factors and outcomes

Obesity Prevention Initiative Project Assistant: October 2016 – August 2017

Population Health Institute – UW-Madison
Madison, WI

Skills: Surveillance of Wisconsin's obesity rates, sub-population analysis of risks and outcomes associated with obesity; monitoring obesity trends over time; evaluating effectiveness of interventions at the policy, population, and individual level.

Projects: Creating a publically available web tool utilizing data from the Survey of the Health of Wisconsin (SHOW) to monitor lead and lag measures of Wisconsin's obesity rates; identifying predictors of adverse outcomes caused by obesity; identifying sub-populations most at risk of obesity and adverse outcomes associated with obesity.

Data Quality Evaluator: August 2015 – October 2016

Department of Health Services – Department of Mental Health and Substance Abuse Services
Madison, WI

Skills: Analyzing and summarizing data into user-friendly reports using Business Objects for a wide range of audiences, from dashboards to quickly assess the overall health of the organization at the executive level to data quality reports to improve compliance with data standards for those in the county responsible for data entry and submission.

Projects: Manage an initiative to bring reports to all Mental Health and Substance Abuse programs run by Wisconsin's counties to foster transparency and quality improvement in data reported to the state. Aspects of this project include: advertising the initiative to the counties, defining and communicating project goals, soliciting feedback from the counties, encouraging buy-in from county managers and executives, developing user-friendly reports to improve the quality of services offered and outcomes for participants, and developing training modules to ensure that counties understand how to access and run reports.

Technical Coordinator: August 2014 – July 2015

Epic
Verona, WI

Skills: Oversee the systemic health of an academic, pediatric, multi-hospital organization's electronic medical record; use cross-discipline knowledge to identify and mitigate potential escalations; lead and coach a team of over 25 technical service representatives, build relationships with IT and operational leadership; ensure projects and initiatives are on time and on track; own the overall success of the hospital's EMR.

Projects: Meaningful Use initiative; hardware migration; software upgrades; ICD-10 implementation; quarterly reports to executives to indicate the health of their system; implementation of new applications and initiatives.

Technical Services: July 2012 – July 2015

Epic
Verona, WI

Skills: Building and maintaining relationships with hospital IT by identifying technical issues; diagnosing root causes and developing long-term solutions; advocating for customer needs; representing customer perspectives for research and development; developing creative uses for existing software functionality; designing and writing custom code utilities and fixes to existing code; communicating technical information to varying audiences – from hospital CEOs to technical staff.

Projects: Managing a hospital's Meaningful Use initiative by coordinating clinical applications with hospital leadership and server systems representatives; programming utilities to proactively identify and resolve device integration issues; owning customer success through facilitating upgrades and continuously implementing optimization of end-user workflows.

Writing Fellow: May 2009 – May 2012

UW-Madison
Madison, WI

Skills: Effective communication through writing, tutoring through written comments and one-on-one sessions, honing communication and tutoring skills through continued education seminars and lectures, original and secondary research on writing and education pedagogy.

Programming Languages:

Cache, M, Visual Basic, Sage, C#, Java, SAS