# Gerald P. Shaeffer

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## EDUCATION

**The University of Michigan,** School of Public Health/School of Information — *Ann Arbor, MI*
*Master of Health Informatics* — *August 2013 – May 2015 (Expected)*

**University of Pennsylvania,** College of Arts and Sciences — *Philadelphia, PA*
- Coursework in statistics, mathematics, and microbiology — *January 2012 – December 2012*

**The Pennsylvania State University,** College of Liberal Arts — *University Park, PA*
*Bachelor of Science in Psychology, Neuroscience Option* — *August 2006 – August 2010*
*Pre-Medicine Concentration*

## EXPERIENCE

**University of Michigan,** School of Medicine — *Ann Arbor, MI*
*Web Developer/Database Administrator* — *September 2013 – Present*
- Developed web application in C#.NET/SQL Server 2012 for multi-site, NIH-funded study examining effectiveness of application in increasing student awareness of campus mental health resources
- Designed data model and built database, implemented survey interface, and built chat application
- Performing ongoing site maintenance and system administration

**SocialWellth, Inc.** — *Ann Arbor, MI*
*Curation Lab Associate* — *November 2013 – January 2015*
- Designed and implemented database application to track evaluation activities and developed client-facing online dashboard to summarize evaluation findings
- Developed components of consumer health engagement platform for large for-profit payer, released in October 2014
- Identification and evaluation of mobile health applications for formal certification using a proprietary evaluation schema

**University of Pennsylvania School of Medicine,** Department of Psychiatry — *Philadelphia, PA*
*Clinical Research Assistant* — *July 2011 – July 2013*
- Led data collection in various clinical trials investigating the effects of cognitive enhancement through pharmaceutical and behavioral interventions on smoking cessation
- Collaborated with database administrator to develop reporting systems for clinical research data within existing clinical study databases
- Designed, developed, and implemented a tracking protocol and database to handle storage and shipping requests for all biological samples collected in center, effectively replacing previous paper record system

## SKILLS

- **Programming**: SQL, Python, Java, Javascript, C#
- **Database**: SQL Server 2008/2012, PostgreSQL, MS Access;
- **Statistics**: hypothesis testing, multivariate analysis, longitudinal analysis, factor analysis, clustering; SAS, Stata, SPSS
- **Web**: JQuery, D3.js, HTML, CSS, Django Framework, ASP.NET;

## VOLUNTEER EXPERIENCE

**St. Vincent BVM Church** — *Philadelphia, PA*
*Tutor* — *January 2011 – May 2012*
- Tutored high school students in Chemistry and Physics
- Developed web database application in PHP to administer supplemental material to students

**Penn State University,** Physics Department — *Philadelphia, PA*
*Tutor* — *January 2010 – May 2010*
- Tutored undergraduate students in introductory mechanics/kinematics