

Lisa Over

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Career Summary

Professional in math education with expertise and experience in programming and statistics.

- Creative and innovative educator adept at building on students' prior knowledge and facilitating learning through problem solving, critical thinking, and real-world activities.
- Successful at a professional level in designing usable and accessible websites and performing regression analyses to reveal relationships and solve problems.
- Tenacious and resourceful programmer with experience in data management, data visualization, statistical modeling, user interfaces, and web development.

Skills

Data Science

R, Python, SAS
SQL, SSIS, SSAS, DQS
VBA, Excel, Access

Computer Programming

Git, Python, Java
PHP, JSP, JavaScript
XML, XSLT, HTML, CSS

Communication & Design

Teaching, Writing, Editing
Photoshop, Illustrator
Publisher, Word

Education

Master of Science in *Computational Mathematics*, 2015
Duquesne University, Pittsburgh, PA

Teacher Certification in *Mathematics 7-12*, 2012
Robert Morris University, Pittsburgh, PA

Bachelor of Science in *Scientific and Technical Communication*, 1994
Specialization: *Mathematics and Computer Science*
Bowling Green State University, Bowling Green, OH

Academic Accomplishments

- Instructor for Spring 2015 *Fundamentals of Statistics* course and tutor for students taking *Fundamentals of Statistics* or *Biostatistics* courses during my graduate work at Duquesne.
- Master's Thesis "Losing Schools to the Economic Chasm: A Multiple Regression Analysis of Family Income and School Performance Profile Scores."
- Graduate Research Symposium Best Poster Award for thesis presentation, which included a JavaScript-driven instructional website that allowed users to explore the math behind the analysis as well as the results.
- Certificate of University Teaching from Duquesne, which required participating in teaching workshops, mentoring new TAs, and designing and delivering lessons under formal observation.
- User Interface programming for "Dictation Tutor," a Java application for English language learners to practice writing from oral prompts in preparation for the written portion of the citizenship test.

Professional Organizations and Conferences

American Statistical Association • USCOTS 2015 • Association for Computing Machinery
National Council of Teachers of Mathematics

Related Work Experience

Adjunct Professor, Business Statistics and Problem Solving

Duquesne University, Pittsburgh, PA

Aug 2016 to Jun 2018

- Designed and delivered lessons to engage students with real-world and hands-on activities.
- Incorporated projects that model the data analysis process and developed statistical thinking and technical writing skills.
- Monitored student progress through formative assessments and assignments and provided feedback to students through re-teaching and comments.
- Worked closely with students individually and in small groups to identify weaknesses and areas for improvement.

Business Analyst Intern

Management Science Associates, Pittsburgh, PA

July 2015 to Oct 2015

- Assisted higher-level analysts on a variety of market research projects, which involved creating graphs, data summaries, and regression model reports for a new brand volume forecast and an analysis of out of stock SKUs.
- Wrote SAS procedures and macros to organize and summarize data and run models; data organization tasks involved extensive use of SQL.
- Wrote visual basic scripts to perform calculations and to create report summaries and charts automatically, which made data preparation more efficient and less prone to error.

Web Designer and Administrator

Trailmarker (self-employed), Pittsburgh, PA

Aug 2006 to Aug 2013

- Designed and maintained websites for visual appeal, accessibility, usability, and maintainability using HTML, CSS, JavaScript, and PHP.

Worked closely with clients to edit, organize, and present their information effectively.

Student Teacher, 8th Grade Algebra

Fort Couch Middle School, Upper St. Clair, PA

Jan 2012 to May 2012

- Designed and delivered lessons to four sections of algebra students using ActivInspire software and the Promethean Board.
- Created and administered formative assessments including pretests, exit slips, and performance assessments to assess student understanding.
- Modified instruction based on student questions and performance in earlier classes.
- Adapted instruction to meet the needs of students with special needs including creating graphic organizers.
- Facilitated Math Mastery workshops to support students whose performance indicated a need for assistance.
- Worked closely with students individually and in small groups.

Other Professional Experience

Technical Writer

Bombardier via Oxford Solutions, Feb 2016 to Jun 2016, Pittsburgh, PA

PHW INC., Nov 1996 to Aug 1998, Pittsburgh, PA

Transarc Corporation (IBM Pittsburgh Lab), Jul 1994 to Nov 1996, Pittsburgh, PA