

Lisa Over

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Career Summary

Professional with a diverse background and experience in communication, statistics, computer science, and education.

- 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.
- Trained in data visualization, ANOVA, linear and logistic regression modeling, experimental design, statistical computing, and applied probability.
- Productive and innovative teacher, writer, and editor adept at communicating technical concepts to a non-technical audience through effective presentations, user manuals, online help systems, and promotional documentation.

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

Professional Organizations and Conferences

American Statistical Association • Association for Computing Machinery • USCOTS 2015

Professional Development

Data Science Specialization by Johns Hopkins on Coursera, expected March 2019

Introduction to Computational Thinking and Data Science by MITx on edX, September 2018

Introduction to Data Science in Python by University of Michigan on Coursera, September 2018

Introduction to Computer Science and Programming Using Python by MITx on edX, August 2018

Computational Experience

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

Self-employed, Pittsburgh, PA

Aug 2006 to Present

- Design and maintain websites for visual appeal, accessibility, usability, and maintainability using HTML, CSS, JavaScript, and PHP.
- Work closely with clients to edit, organize, and present their information effectively.

Teaching Experience

Adjunct Professor, Business Statistics

Duquesne University, Pittsburgh, PA

Aug 2016 to June 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.

Writing Experience

Technical Writer Contractor

Bombardier via Oxford Solutions, Pittsburgh, PA

Feb 2016 to June 2016

- Planned and organized text for the user interface, data management, and security components of the Positive Train Control System.
- Wrote quality, usable, and technically accurate documentation using communication and organizational skills, attention to detail, and fact-checking.
- Collaborated with development team to understand and communicate technical concepts to the system maintainer, system administrator, and database administrator.

Technical Writer

PHW INC., Pittsburgh, PA

Nov 1996 to Aug 1998

- Improved user manuals for the electronic train control systems designed and manufactured by PHW, INC by editing for grammar, consistent language and style, and technical clarity.

Technical Communicator

Transarc Corporation (IBM Pittsburgh Lab), Pittsburgh, PA

July 1994 to Nov 1996

- Planned, organized, and designed text and graphics of software user manuals, online help systems, and release notes for several releases of Transarc's Distributed File System software.
- Wrote quality, usable, and technically accurate documentation using communication and organizational skills, attention to detail, and fact-checking.
- Collaborated with development team to understand and communicate technical concepts, benefits, and procedures to the target audience.

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