

# Lisa Over

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## Career Summary

Professional in statistics and computer science with additional expertise and experience in education and communication.

- 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

*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  
*Version Control with Git* by Atlassian on Coursera, June 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.

**Other Professional Experience**

**Technical Writer Contractor**

Bombardier via Oxford Solutions, Pittsburgh, PA

**Computer Support Coordinator**

Allegheny Center Alliance Church, Pittsburgh, PA

**Technical Writer**

PHW INC., Pittsburgh, PA

**Technical Communicator**

Transarc Corporation (IBM Pittsburgh Lab), Pittsburgh, PA

**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