## Miranda Tilton

## Curriculum Vitae

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<u>2017</u> 2013–2017	<ul> <li>Education</li> <li>Master of Science in Statistics, Iowa State University.</li> <li>Expected May 2019</li> <li>Honors: Presidential Scholarship of Graduate Excellence</li> <li>Bachelor of Arts, St. Olaf College.</li> <li>Major: Psychology and Mathematics, Minor: Gender Studies and Statistics</li> <li>Magna Cum Laude</li> </ul>
	Research Experience
2017	<ul> <li>Graduate Research Assistant, Center for Statistics and Applications in Forensic Evidence, Iowa State University.</li> <li>Developed convolutional neural network for identification of class characteristics of shoe soles</li> <li>Assisted with the creation of test items for preliminary study of how the presence of graphics affects assessment of facts presented</li> </ul>
2015 2016	Undergraduate Research Fellow, Center for Interdisciplinary Research, St. Olaf
	<ul> <li>College.</li> <li>Invoked circular and spatial statistics to investigate neural randomness in head-direction cells of anesthetized rats</li> <li>Consulted for faculty and students from non-statistical disciplines on research design and data analysis</li> </ul>
Summer 2015	Undergraduate Researcher, Collaborative Undergraduate Research and Inquiry
	<ul> <li>Program, St. Olaf College.</li> <li>Improved the use of K-12 student assessment data in the Northfield Public School District</li> <li>Created a Shiny Application to improve visualization of student progress for teachers and district administrators</li> </ul>
	Professional Experience
Summer 2016	Business Optimization Intern, Ameriprise Financial, Minneapolis, MN.

conducting analyses to improve allocation of resources

skewed data and conducting linear regression

o Forecasted call volumes and metrics for call center and optimized business practices by

Updated call center staffing model assumptions that related call metrics by transforming

