

## Brandon Lee Fenton

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- OBJECTIVE** Employment which uses my quantitative skills.
- EDUCATION** *MS in Statistics*, December 2016  
Montana State University, Bozeman, MT  
*Bachelors in Math and Psychology with Statistics minor*, December 2013  
University of Alaska Anchorage, Anchorage, AK
- SKILLS** *Statistical Methods*: linear regression, logistic regression, mixed models, Bayesian analysis, time series, simulation, bootstrapping, hypothesis testing and confidence intervals, dimensionality reduction techniques including principal component analysis and multidimensional scaling, kernel density estimation  
*Machine Learning*: clustering, classification, feature engineering  
*Software and Programming Languages*: R, SAS, Python (numpy, scipy, pandas, scikit-learn), git, Linux, SQL, Microsoft Office (Excel, Word, Powerpoint), markdown, L<sup>A</sup>T<sub>E</sub>X, C/C++, Perl  
*Selected Coursework*: Linear Models, Probability and Statistics, Machine Learning, Data Mining, Multivariate Statistics, Time Series, Consulting
- EXPERIENCE** *Graduate Teaching Assistant* August 2014 - December 2016  
Montana State University, Bozeman, MT  
Taught mathematics and statistics courses at Montana State University including introductory statistics, college algebra and a terminal course for liberal arts majors.
- Admin/Temp* Spring 2014  
BDO, Anchorage, AK  
Assisted with balloting and various logistical considerations in several elections. Also performed work related to the Alaska Film Tax Credit.
- Data Entry/Student Records Support* 2007-2010  
Anchorage School District Gifted Program, Anchorage, AK  
Maintained Filemaker database of students receiving gifted services in the Anchorage School District (K-12). Coordinated with teachers and provided technical support to ensure that paperwork requirements were met; developed layouts and scripting for a variety of reports generated from the database for administrative use.
- Programmer* 1997-1999  
National Weather Service, Anchorage, AK  
Maintained and extended the perl code driving the Anchorage Mesonet system, a collection of weather stations, for the National Weather Service. Also administrated an Apache web server running the Mesonet code.
- AWARDS** *MSU Data Challenge 2016: Bike Parking Edition* First place. Wrote visualization tool for MSU bike parking scenarios in R using Shiny and Leaflet.
- SELECTED TALKS** *"Information-Geometric Dimensionality Reduction"* Dec 5, 2016  
*"Beyond 4 minutes and 33 seconds"* Nov 4, 2016  
*"Hal's Mindgarden: Neural Networks and You"* Apr 4, 2016