

# Jason Preszler

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CONTACT INFORMATION	Seattle, WA <i>Cell:</i> 253-227-7183 <i>E-mail:</i> jpreszler@gmail.com <i>Website and Data Science Blog:</i> <a href="https://jpreszler.rbind.io">https://jpreszler.rbind.io</a> <i>LinkedIn:</i> <a href="https://linkedin.com/in/jpreszler">https://linkedin.com/in/jpreszler</a> <i>GitHub:</i> <a href="https://github.com/jpreszler">https://github.com/jpreszler</a>
TECHNICAL SKILLS	<b>Programming:</b> R, Python, SQL, C/C++, used numerous others <b>Databases:</b> SQLite, Postgres, Neo4j, MongoDB <b>Other:</b> Linux, git, L <sup>A</sup> T <sub>E</sub> X, HTML, CSS <b>Models:</b> random forest, linear/logistic regression, time series analysis, knn, kmeans, mixture models, and others
RECENT EXPERIENCE	<b>Data Science Fellow, <i>Insight Data Science</i></b> <b>June 2019 to Present</b> <ul style="list-style-type: none"><li>◆ Developed <i>RealAllocator</i></li><li>◇ Determined optimal investment portfolio with direct real estate investment</li><li>◇ Consulted with start-up <i>RealCrowd</i></li><li>◇ Built with PyMC3 and Flask, deployed using heroku</li></ul> <b>Assistant Prof., <i>The College of Idaho</i></b> <b>Aug. 2017 to May 2019</b> <ul style="list-style-type: none"><li>◆ Developed expertise in databases, data visualization, and machine learning</li><li>◆ Worked on cross-functional team to discover and remove curriculum inefficiencies in response to student complaints and resource waste</li><li>◇ Cleaned messy, inconsistent data and combined with web-scrape of catalog to produce visualizations and searchable tables for further analysis by the team</li><li>◇ Removed 150 courses, reduced gen. ed. req. by 10%, and stream-lined 75% of majors and minors.</li><li>◆ Researched imbalanced classification problem in mathematics</li><li>◇ Generated data on 33 million polynomials to find 75 positive cases</li><li>◇ Compared multiple logistic regression, knn, random forest, and naive Bayes classifiers to determine feature importance</li><li>◇ Presented results at regional statistics conference</li><li>◆ Mentored projects in logistic regression and knn classifiers as well as time series analysis using ARIMA, ETS, and STL methods</li><li>◆ Reviewed code for variety of introductory C++ projects.</li></ul> <b>Mathematics Coordinator, <i>James Madison University</i></b> <b>Aug. 2015 to June 2017</b> <ul style="list-style-type: none"><li>◆ Hired, trained, and supervised ~ 20 undergraduate math and statistics tutors</li><li>◆ Developed usage forecasts for tutoring center and used to guide budget requests</li><li>◇ Pulled data from database, imputed missing values, and developed numeric and graphical summaries</li><li>◇ Developed time series forecasts for 4 subjects to inform budget requests and staffing needs</li><li>◇ Obtained first budget increase in 7 years, additional tutors lead to increased visitation</li></ul> <b>Visiting Assistant Prof., <i>University of Puget Sound</i></b> <b>July 2012 to June 2015</b> <ul style="list-style-type: none"><li>◆ Supervised ~ 10 undergraduate math and computer science tutors</li><li>◆ Supervised research projects in computational number theory and probabilistic number theory</li></ul>
EDUCATION	<b>University of Utah, Salt Lake City, Utah USA</b> Ph.D., Mathematics, August 2009 M.S., Mathematics, May 2005 <b>University of Puget Sound, Tacoma, Washington USA</b> B.S., Mathematics and Computer Science, December 2002