

## Jason I. Preszler, Ph. D.

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### CONTACT INFORMATION

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Boise, ID. 83702

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### HIGHLIGHTS

- Analytic, data-oriented with strong math skills
- Passionate about cleaning, visualizing, and learning from data
- 19 years experience running and maintaining Linux systems
- 19 years of programming experience including: C/C++, Python, R, others
- Over 10 years of experience with R

### EDUCATION

**University of Utah**, Salt Lake City, Utah USA

Ph.D., Mathematics, August 2009

M.S., Mathematics, May 2005

**University of Puget Sound**, Tacoma, Washington USA

B.S., Mathematics and Computer Science, December 2002

Major: Mathematics

Minor: Computer Science

### RECENT EMPLOYMENT

**The College of Idaho**, *Dept. of Math. and Phys. Sci.*

Assistant Professor

**Aug. 2017 to Present**

**Major Duties:** Taught 7 courses per year in computer science and statistics, used data science skills to assist in multiple projects on campus, advised students, develop new Data Science minor

**James Madison University**, *Learning Centers and Dept. of Math. and Stat.*

Mathematics Coordinator

Aug. 2015 to June 2017

**Major Duties:** taught 2 courses per year in mathematics; hire, train, supervise ~ 20 undergraduate math and statistics tutors; developed budget requests and drop-in tutoring center usage forecasts

**University of Puget Sound**, *Department of Mathematics and Computer Science*

Visiting Assistant Professor

July 2012 to June 2015

Visiting Instructor

July 2011 to June 2012

Part-Time Instructor

Jan. 2011 to May 2011

**Major Duties:** Taught 6 courses per year; assisted with computer science faculty searches; supervised ~ 10 undergraduate math and computer science tutors

### TECHNICAL SKILLS

Programming: R, Python, SQL, C, C++, Java, JavaScript, PHP, others

Databases: SQLite, PostgreSQL, Neo4j, MongoDB, Spark

Applications: RStudio, Jupyter Lab, Spyder, git, L<sup>A</sup>T<sub>E</sub>X

Operating Systems: Linux, Windows

### SELECTED TEACHING EXPERIENCE

**Intro. Math:** Intro. Statistics, Calculus I,II,III

**Comp. Sci.:** Intro. Programming, Databases, Algorithms, Computer Arch.

**Adv. Math:** Geometry, Linear Algebra, Number Theory, Advanced Calculus

SUPERVISED STUDENT PROJECTS	Mbongiseni Dlamini, Spring 2018 Ind. Study, <i>Time Series Forecasting</i> Ferdinand Nyabenda, Spring 2018 Ind. Study, <i>Bayesian Data Analysis</i> Leo Trujillo, Fall 2017 Ind. Study, <i>Machine Learning and Emergent Reducibility</i> Davis Shurbert, Spring 2015 Senior Thesis, <i>Computational Galois Theory</i> Kevin Halasz, Spring 2014 Senior Thesis, <i>Probabilistic Galois Theory</i> Amrei Oswald, Spring 2014 Ind. Study, <i>Elliptic Curves and Emergent Reducibility</i>
VOLUNTEER ACTIVITIES	<b>American Statistical Association, Snake River Chapter,</b> Vice-President 2018-2019
RECENT PRESENTATIONS	<b>ASA Snake River Chapter Meeting</b> <i>Machine Learning Meets Pure Mathematics</i> , June 2018 <b>MAPS Colloquium, College of Idaho</b> <i>Visualizing Classifier Performance</i> , April 2018 <i>Statistics: Side B</i> , Oct. 2017 <b>JMM San Antonio 2015</b> <i>An Infinite Family of Cubic Polynomials with Emergent Reducibility at Depth 1</i> , Jan. 2015
OUTREACH ACTIVITIES	<b>South Sound Circles</b> 2013 to 2014 Assisted with planning and facilitation of math circle activities in mathematical problem solving for Tacoma area middle school teachers  <b>Tacoma Urban League Male Involvement Program</b> Summer 2013 Jointly planned and led mathematical problem solving component of a 6 week summer program for middle school boys with Professor David Scott
PROFESSIONAL MEMBERSHIPS	American Statistical Association