

CONTACT
INFORMATION

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OVERVIEW

A statistician with strong academic and industry backgrounds, experienced project lead, mentor, and consultant, with the ability to communicate complex concepts to audiences of all levels; seeks interesting data science projects and talented people.

AREAS OF
SPECIALIZATION

Applied and mathematical statistics, Bayesian statistics, machine learning, statistical computing, data collection and engineering, data visualization, surveys, time series, software development, automation, teaching; with application experience in business, environmental, finance, health care, manufacturing, and marketing. Soft skills include situational leadership training.

COMPUTER
SKILLS

C/C++, Git, Hadoop, L^AT_EX, Linux/Windows, Markdown, MATLAB, MongoDB, Parallel Computing, Python, R, R Shiny, SAS, Spark, SQL, Tableau, Web Design (HTML/CSS/JavaScript).

PROFESSIONAL
EXPERIENCE**Wiland**

Senior Statistician March 2018 - Present

- Team lead for development of data driven software tools used by production teams. Projects include data science tool-smithing, dashboard and report automation, algorithm development, and solver of difficult data problems.

Seagate Technology

Senior Staff Data Scientist October 2017 - March 2018

Staff Data Scientist February 2016 - September 2017

Senior Data Scientist February 2015 - January 2016

- Provided internal consulting on projects spanning the data science field, including algorithm development, data visualization, big data computing, storage, and applied statistics.
- Led algorithm development for factory control system involving high dimensional data.
- Developed an interactive classification R package for imbalanced data which was later opened sourced: <https://github.com/ChrisDienes/SeaClass>.
- Conducted novel research in the area of low-rank modeling and matrix factorization which resulted in an external paper.
- Led algorithm development for a python based software application which supports anomaly detection and failure classification of storage devices within data centers.

Harris Corporation/Centers for Disease Control and Prevention

Data Analyst 3 July 2014 - January 2015

- Federal contractor for the CDC National Center for Health Statistics. Hired to solve complex PII project involving high frequency time series obtained from physical activity monitors.

University of California - Davis

Graduate Student Employment 2008 - 2013

- *Associate Instructor*: Led five undergraduate courses covering topics in elementary statistics, probability theory, and time series analysis.

- *Teaching Assistant*: Assisted lead professors with tasks related to administering college level courses.
- *Research Assistant*: Assisted collaborative project on corporative rankings in hierarchical networks. Duties included data manipulation, analysis and presentation of findings.

EDUCATION

University of California - Davis

Ph.D., Statistics, September 2013

- Dissertation Topic: On-line monitoring in time series models.
- Pre-Qualifying Exam: 94% (Theoretical), 97% (Quantitative)
- GPA: 4.0
- Advisor: Alexander Aue

M.S., Statistics, March 2011

Montana Tech of the University of Montana

B.S., Mathematics, May 2008

- Minor: Business Administration
- GPA: 4.0

PAPERS AND POSTS

- Dienes, C. (2017). RStudio R Views blog post: The SeaClass R Package. <https://rviews.rstudio.com/2017/10/23/the-seaclass-r-package/>.
- Dienes, C. (2017). The low-rank hurdle model. <https://arxiv.org/abs/1709.01860>.
- Aue, A., C. Dienes, S. Fremdt, and J. G. Steinebach (2015). Reaction times of monitoring schemes for ARMA time series. *Bernoulli*. Vol. 21, No. 2, 1238-1259. <https://arxiv.org/abs/1506.00859>.
- Dienes, C., and A. Aue (2014). On-line monitoring of pollution concentrations with autoregressive moving average time series. *Journal of Time Series Analysis*. Vol. 35, Issue 3, 239-261.

HONORS AND AWARDS

Montana Tech Alumni Recognition Award, 2015

Harris Corp URock Award, 2014

UC Davis Department of Statistics Service Award, 2013

UC Davis Outstanding Graduate Student Teaching Award, 2012

UC Davis Statistics Graduate Student of the Year (Julius Blum Award), 2010

Montana Tech Undergraduate Valedictorian, 2008

Goldwater Scholarship, 2007

Montana Tech Chancellor's Honor Roll (4.0 required), 2004-8

Marie M. Moebus Presidential Scholarship, 2004

Browning High School Valedictorian, 2004

Montana High School Honors Scholarship, 2004

CONSULTING

Together with my spouse, Erin (Biostatistics Ph.D.), we have performed over 120 hours of paid statistical consulting in 2018.