BRANDEN OLSON

Phone: 970.390.6129
E-mail: branden.olson@gmail.com

EDUCATION

Doctor of Philosophy, Statistics 2016 - Present
University of Washington, Seattle

Master of Science, Applied Mathematics 2015 - 2016
University of Colorado, Boulder
GPA: 3.78
Thesis: Stochastic weather generation with approximate Bayesian computation

Bachelor of Science, Applied Mathematics 2011 - 2016
University of Colorado, Boulder
GPA: 3.97 (*summa cum laude*)
Minors: Computer Science, Philosophy

WORK EXPERIENCE

Data Scientist, Intern Summer 2016, Summer 2017
Paysa, Inc.
Boulder, CO

Advanced Analytics Intern Summer 2015
Seagate Technology
Longmont, CO

Software Engineering Intern Summer 2013 - Fall 2014
Spectra Logic
Gunbarrel, CO

RESEARCH EXPERIENCE

Predoctoral Research Associate I Sept 2016 - Jun 2017
Advisor: Dr. Peter Guttorp
Department of Statistics, University of Washington

Research Assistant August 2014 - May 2016
Advisor: Dr. Will Kleiber
Department of Applied Mathematics, University of Colorado

Undergraduate Research Assistant August 2013 - May 2014
Advisor: Dr. Juan Restrepo
Department of Applied Mathematics, University of Colorado

TEACHING EXPERIENCE

Teaching Assistant Spring 2016
APPM 1350: Calculus I for Engineers
University of Colorado, Boulder

Teaching Assistant Fall 2015
APPM 1350: Calculus I for Engineers
University of Colorado, Boulder

Learning Assistant Spring 2013
APPM 1360: Calculus II for Engineers
University of Colorado, Boulder

Learning Assistant Fall 2012
APPM 1350: Calculus I for Engineers
University of Colorado, Boulder

TALKS

Stochastic precipitation generation with approximate Bayesian computation April 2016
American Statistical Association Co/Wy Chapter Spring Meeting
National Center for Atmospheric Research, Boulder, CO

Simulation of local temperature and precipitation occurrence using approximate Bayesian computation February 2015
Front Range Applied Mathematics Student Conference
University of Colorado, Denver, CO

TECHNICAL STRENGTHS

Programming Languages: Heavy experience with R. Experience with Python, Mathematica, C/C++, Matlab, Ruby, Java, and Scala

Software/Tools: Linux, Vim, LaTeX, Bash, Git, OpenGL, XML

Web Development: Ruby on Rails, HTML/CSS

Databases: SQL

Development Process: Agile, Rally, Kanban

GRANTS AND FUNDING

NSF STAT ATM OCEAN 62-3132, $21,546 Sept 2016 - June 2017

NST EXTREEMS DMS-1407340, $9,500 Aug 2014 - May 2016

ACADEMIC AWARDS AND HONORS

Department Fellowship Fall 2016
Department of Statistics, University of Washington

Summa cum laude Spring 2016
University of Colorado
Achieved cumulative GPA of 3.9 or higher

Nominee for Outstanding Graduate for Research Spring 2016
College of Engineering and Applied Science, University of Colorado

Dean's List Fall 2011 - Spring 2015
College of Engineering and Applied Science, University of Colorado
Achieved semester GPA of 3.6 or higher

CAMPUS ACTIVITIES

Engineering Fellows, Member Fall 2013 - Spring 2015
University of Colorado

First Generation Program, Member Fall 2011 - Spring 2015
University of Colorado