

Cody Griffith

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Work Experience

Data Analyst

May 2018 – August 2018

University of British Columbia

- Mentor undergraduates in statistical methodology
- Comb through datasets of size 150+ GB to find patterns and interactions
- Apply efficient modern statistical machine learning techniques to forecast trends
- Give synopsis of results in a concise technical paper

Research/Teaching Assistant

September 2016 – Present

University of British Columbia

- Taught coherent mathematics to a much wider and diverse audience
- Grade and return coursework in a short timespan
- Learned to gain insight into problems through a various selection of methods
- I had developed new approaches and methods to an existing ocean model

Education

Master of Science in Applied Mathematics

University of British Columbia

2018

Vancouver, BC

Bachelor of Science in Mathematics

Metropolitan State University of Denver

2016

Denver, CO

Additional Skills

- Intensive critical thinking honed along with a 7-year Mathematics career
- Extensive knowledge of Matlab, Python, Julia, R, Mathematica, Latex
- Proficient in cloud storage via Git, Subversion, Overleaf, Dropbox
- Ability to manage projects and lead a team
- Excellent interpersonal skills through several jobs working with people

Projects

- I have analyzed a higher order model for ocean dynamics to predict catastrophic events and their associated dynamics
 - I worked with a team of three to form a Hidden Markov Model to predict future crime locations on Vancouver police dataset of size 30MB
 - I spearheaded a kriging model development for a non-profit organization for E. coli predictions for a local river in Denver, Colorado
 - I collaborated with a colleague to create a method of analysis in a dual-capacity stochastic queue to optimize line service rates
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