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Santa Cruz, United States



mathnstein.github.io



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SKILLS

Git

Subversion

Dropbox

Latex

Markdown

TeamViewer

PROGRAMMING

Python



Matlab



R



HTML/CSS



Cody Griffith

Mathematical Research Scientist

After about a decade of honing my applied mathematics I have developed the tools, experience and programming knowledge to make myself useful to any field of analysis. I am a research scientist in mass spectrometry where I specialize in developing algorithms for internal use as well as for customer-grade products. My hope is to continue to broaden my skill set and work towards making a positive impact both at the industry/research level but also towards social good.

WORK EXPERIENCE

Research Scientist

908 Devices

12/2018 – Present

San Jose, California

A company that creates portable analytical instruments centered on mass spectrometry.

Achievements/Tasks

- Acted as algorithm lead for user-facing proteomics software
- Spearheaded UI/UX development for internal Python tools
- Aided in maintenance and feature addition for Matlab/C++ embedded device software
- Used data-driven means of decision-making and verification of solution
- Provided customer support and data review for in-field devices

Contact: Dr. Robert Green – bgreen@908devices.com

Research Scientist

Data Science for Social Good (UBC)

05/2018 – 10/2018

Vancouver, Canada

An organization devoted to social good through local/regional partnerships.

Achievements/Tasks

- Lead development of an R-Shiny application to view and analyze spatial/census data
- Presented this work to both Microsoft Canada and the city of Surrey
- Created a data repository for future teams to continue work in future years

Contact: Dr. Kevin Lin – kevin.Lin@ubc.ca

Research/Teaching Assistant

University of British Columbia

09/2016 – 05/2018

Vancouver, Canada

Research/Teaching duties as part of Master's degree.

Contact: Dr. Rachel Kuske – rachel@math.gatech.edu

EDUCATION

M.Sc in Applied Mathematics

University of British Columbia

09/2016 – 09/2018

Vancouver, Canada

Thesis

- Non-Smooth Dynamics in the Stommel Model for Thermohaline Circulation

B.Sc in Applied Mathematics

Metropolitan State University of Denver

09/2012 – 05/2016

Denver, Colorado