Morgan J. Henderson

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Relevant Skills

Programming Languages

C++, Python, MATLAB, C#, HTML, CSS, Javascript, R, SQL

Engineering & Materials Science

Molecular dynamics, lattice dynamics & vibrational analysis, finite elements

Mathematics & Computer Science

Optimization, Kalman/Bayesian filters, machine learning, parallel programming, eigen-analysis

Education

The University of Colorado Boulder
August, 2018 - May, 2022

M.S. in Aerospace Engineering Sciences
Professional Certificate, Engineering Management in the Aerospace Industry

The University of Montana
August, 2012 - May, 2017

B.A. in Physics, with an option in Astronomy (High Honors)
B.A. in Mathematics, with a focus on Applied Mathematics (High Honors)

Employment

Research Assistant, Teaching Assistant

August 2018 - Present
The University of Colorado Boulder, Department of Aerospace Engineering Sciences

Analyst/Programmer I &II, Webmaster

November, 2017 - August 2018
The State of Alaska, Department of Education and Early Development (Juneau, AK)

Visiting Researcher

June, 2017 - August, 2017
NASA Frontier Development Lab, The SETI Institute (Mountain View, CA)

Research Assistant

January, 2015 - May, 2017
Project MINERVA, The University of Montana (Missoula, MT)

Student Researcher

June, 2016 - August, 2016
NASA Ames Research Center and the SETI Institute (Mountain View, CA)

Media Links

Website

Visit my personal website, designed and built by yours truly!

Portfolio

Browse some examples of my programming on my GitHub.

LinkedIn

Check out my LinkedIn account, and feel free to connect.

Videos

NASA FDL Final Talks (YouTube)

Intel Auditorium, Santa Clara CA (2017)

Senior Thesis Talk (YouTube)

University of Montana, Missoula MT (2017)

SETI Institute REU Program Lightning Talks (YouTube)

Microsoft Auditorium, Mountain View CA (2016)