Morgan J. Henderson

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Relevant Skills

Programming Languages

C++, Python, MATLAB, C#, HTML, CSS, Javascript, 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)

Social & Relevant Media Links

LinkedIn

View my personal [LinkedIn account](#)

GitHub

Browse some code samples at [morhenderson/code-samples](#)

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)