

Research Associate, University of Colorado at Boulder
Department of Applied Mathematics

daniel.messenger@colorado.edu
+1 (973) 476-8854

Education

Aug. 2019 - Aug. 2022	PhD Applied Mathematics	University of Colorado Boulder (UCB)
Aug. 2017 - July 2019	MS Applied Mathematics	Simon Fraser University (SFU)
Sept. 2011 - May 2015	BS Mathematics, BA Physics	University of Puget Sound (UPS)

Research Experience

08/2023 - (current)	Research Assoc. , Applied Math, UCB; Bortz lab
08/2022 - 08/2023	Postdoc Research Assoc. , Applied Math, UCB; Bortz lab
08/2020 - 08/2022	Research Assistant , Applied Math, UCB; Advisor: Dr. Bortz
Summers 2018, 2019	Research Assistant , Math, SFU; Advisors: R. Fetecau, R. Wittenberg
Summer 2014	Research Intern , Pacific Northwest National Lab (PNNL)

Awards & Scholarships

2023	10th Heidelberg Laureate Forum Young Researcher	HLFF
2022	Graduate Student Travel Award (MDS22)	SIAM
2019	Special Entrance Scholarship	UCB
2019	MSc Thesis Certificate with Distinction	SFU
2018	Best Poster Award	SFU Summer Symposium
2018	Graduate Fellowship	SFU
2017	Special Entrance Scholarship	SFU

Teaching

2020–2021	Co-Instructor , Department of Applied Mathematics, UCB APPM 7400 Teaching Excellence (Fall 2020)
2019– 2020	Teaching Assistant , Department of Applied Mathematics, UCB APPM 1350 Calculus I (Fall 2020) APPM 2360 Differential Equations (Spring 2020) APPM 2350 Calculus III (Fall 2019)
2017–2019	Teaching Assistant , Department of Mathematics, SFU MACM 316 Numerical Analysis (Spring 2019) MATH 303 Set Theory and Logic (Fall 2018) Math 310 Differential Equations (Spring 2018) Calculus I,II,III (Fall 2017)
2015	Lab Assistant , Physics Department, UPS PHYS 110 College Physics 2 (Spring 2015)

Professional Service

(ongoing)	Reviewer , Phys. D, JCP, SIADS, RSOS, PLOS Comp. Bio., TMLR
Fall 2021 - Spring 2022	President , SIAM graduate student chapter, UCB
Fall 2021	Co-creator , APPM Graduate Student Seminar, Dept. of Applied Math, UCB
Summer 2020 - Spring 2021	Lead Teaching Assistant , Center for Teaching and Learning, UCB
Spring 2020, 2021, 2022	Organizer , SIAM Front Range Student Conference