



(208) 585-7373
coltoncgrainger@gmail.com
  @ColtonGrainger

OBJECTIVE	To complete an M.S. in Mathematics (under Plan I, with applied emphasis) at UNM.	
EDUCATION	B.S. in Mathematics-Physics <i>The College of Idaho, Caldwell, ID</i> <ul style="list-style-type: none"> • Senior Study: <i>Galois Theory for Differential Equations</i> • Advised by Dr. Jonny Comes. 	May 2016 GPA: 3.49
RESEARCH INTERESTS	<i>Multiscale Analysis and Computation</i> to approach complex systems (e.g., aquifers). <i>Numerical Methods</i> to model fluid flow and contaminant diffusion in porous media.	
EXPERIENCE	Refugee Medical Care Intern <i>YMCA International Services, Houston, TX</i> <ul style="list-style-type: none"> • Managed 60 refugee medical cases in a team of 3 staff. • Arranged medical appointments with transportation and interpretation. • Facilitated access to low-income health-care and affordable housing. 	August 2016 – Present
	Course Grader & Tutor <i>The College of Idaho</i> <ul style="list-style-type: none"> • Graded weekly assignments for a section of 25 general physics students. • Tutored 5 calculus students in weekly one-on-one sessions. 	September 2015 – December 2015
	Dishwasher & Server <i>The Griddle, Meridian, ID</i> <ul style="list-style-type: none"> • Served food and kept clean a 100 m² commercial kitchen. 	Summers 2011 – 2013, Fall 2015
COMMUNITY INVOLVEMENT	Service Corps Fellow <i>Texas Episcopal Service Corps, Houston, TX</i> <ul style="list-style-type: none"> • Lived in an intentional community with 2 other fellows. • Committed to 1,700 hours of service in 11 months. 	August 2016 – Present
	WWOOF Ranch-Hand <i>Sonnwendhof Biofarm, Möckmühl, Deutschland</i> <ul style="list-style-type: none"> • Worked on a cooperative ranch with American, German and Italian WWOOFers. • Pastured two herds of sheep and maintained a sustainable garden. 	Summer 2016
SKILLS (rated out of 5)	<i>Languages</i> <ul style="list-style-type: none"> • German (3), English (5) <i>Computer Algebra</i> <ul style="list-style-type: none"> • SageMath (3), Mathematica (2) 	<i>Programming</i> <ul style="list-style-type: none"> • Python (3), C++ (2) <i>Operating</i> <ul style="list-style-type: none"> • GNU (3), macOS (4), Windows (4)
HONORS	Heritage Scholarship for academic merit Top Putnam Score among College of Idaho students Varsity Skier on The College of Idaho Ski Team	2012 – 2016 2013, 2015 2014, 2016