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

#### **OBJECTIVE**

To complete an M.S. in (Applied) Mathematics at Washington State University.

### **EDUCATION**

# **B.S.** in Mathematics-Physics

May 2016

The College of Idaho, Caldwell, ID

GPA: 3.49

- Senior Study: Galois Theory for Differential Equations
- · Advised by Dr. Jonny Comes.

## RESEARCH **INTERESTS**

Ill-posed & Inverse Problems to understand contaminant diffusion in ground water. Derivative-Free Optimization and its numerical implementations on sparse data.

### **EXPERIENCE**

## **Refugee Medical Care Intern**

August 2016 - Present

YMCA International Services, Houston, TX

- Managed 60 refugee medical cases in a team of 3 staff.
- Scheduled medical appointments, transportation and interpretation.
- Advocated for clients at clinics, food pantries and emergency shelters.

### **Course Grader & Tutor**

September 2015 – December 2015

The College of Idaho

- Graded weekly assignments for a section of 25 general physics students.
- Tutored 5 calculus students in weekly one-on-one sessions.

### Dishwasher & Server

Summers 2011 – 2013, Fall 2015

The Griddle, Meridian, ID

• Served food and kept clean a 100 m<sup>2</sup> commercial kitchen.

## **COMMUNITY INVOLVEMENT**

### **Service Corps Fellow**

August 2016 - Present

Texas Episcopal Service Corps, Houston, TX

- · Lived in an intentional community with 2 other fellows.
- Committed to 1,700 hours of service in 11 months.

# **WWOOF Ranch-Hand**

Summer 2016

Sonnwendhof Biofarm, Möckmühl, Deutschland

- Built relationships with American, German and Italian WWOOFers.
- Pastured sheep and planted a sustainable garden.

## **SKILLS** (rated out of 5)

Languages

**Programming** 

• **German** (3), English (5)

• **Python** (3), C++ (2)

Markup

**Operating** 

• LATEX (4), HTML (2)

• **GNU** (3), macOS (4), Windows (4)

## **HONORS**

Heritage Scholarship for academic merit

2012 - 2016

**Top Putnam Score** among College of Idaho students

2013, 2015

Varsity Skier on The College of Idaho Ski Team

2014, 2016