

MADLINE DOERING

Education

University of British Columbia

Ph.D Mathematics

Vancouver, BC, Canada

Sept. 2017-TBD

University of Denver

M.S. Business Analytics

Denver, CO

Sept. 2016 – June 2017

B.A. Mathematics - B.A. Economics

Sept. 2012 – June 2016

Magna Cum Laude, University Honors, Department Honors, Phi Beta Kappa

Fundación CIMAS del Ecuador

Specialized International Development & Language Immersion Study

Quito, Ecuador

Aug. 2014 – Dec. 2014

Experience

UBC Department of Mathematics

Instructor

Vancouver, BC, Canada

Jan. 2019 – April 2019

Instructor for one section of MATH 105: Integral Calculus with Applications to Commerce and Social Sciences.

Developed lesson plans and assignments in line with the overall course curriculum outline.

Teaching Assistant

Sept. 2017 – Present

Ran special workshops, helped students one-on-one in the Math Learning Center as a graduate tutor, maintained the Piazza website, and performed general marking/invigilating duties.

Biennial of the Americas

Project Assistant

Denver, CO

March 2015 – March 2017

Assisted with logistic and programmatic management including: co-creating the Entrepreneurs Marketplace during the 2015 festival, writing in-house white papers on topics ranging from philanthropy to smart cities, being 1 of only 4 staff members running the 2016 Summit to Brazil, and applying for corporate and foundation grants to make up the million dollar budget necessary to support the Biennial.

U.S. Diplomacy Center, U.S. Department of State

Boettcher Intern

Washington, DC

July 2016 – Sept. 2016

Served as project assistant for the Discover Diplomacy student conference, co-created the social media and youth outreach plans to promote engagement with the center's educational and museum programming.

Microfinance in Ecuador

Independent Researcher

Ibarra, Ecuador

August 2015

Received a highly competitive Summer Undergraduate Research Grant to investigate microfinance in northern Ecuador through analysis of poverty rates, financial, and cultural data.

Unión de Cooperativas de Ahorro y Crédito del Norte

Grant Writing Intern

Ibarra, Ecuador

Nov. 2014 – Dec. 2014

Crafted proposal for a project in collaboration with Freedom from Hunger to expand microfinance and financial education to rural areas of Ecuador. Entirely in Spanish.

Varsity Tutors

Tutor

Online

August 2018 – Present

Tutored students of all ages (from 14-60) through an online platform in pre-calculus, calculus, ACT, SAT, and GRE prep.

Responsible for finding and creating own curriculum content.

University of Denver Learning Effectiveness Program (LEP)

Tutor & Hiring Manager

Denver, CO

Oct. 2015 – June 2017

Tutored students with learning differences in math, statistics, and economics and managed administrative duties for the program.

Leadership & Service

Pioneer Leadership Program, University of Denver

Denver, CO

Active Member

Sept. 2012 – June 2016

One of 66 students selected to engage in a residential leadership program designed to foster leadership skills through academic and community involvement.

Femme in STEM

Denver, CO

Founder

March 2015 – June 2017

Using several grants awarded by the Pioneer Leadership Program and University of Denver, founded FIS to empower young women in their pursuit of STEM.

- Created curriculum spanning the STEM fields to engage girls in hands-on learning and take advantage of the research and facilities at DU
- Held two events (Nov. 2015 and April 2016) attracting 110 girls across the front range of CO

Global Space Balloon Challenge

International

Co-Lead

Jan. 2016 – April 2016

Awarded a University of Denver Partners in Scholarship grant to build, launch, and recover a high-altitude balloon.

- Re-started the defunct (HAB) program at the University of Denver, allowing future students to perform experiments in extreme conditions.
- Participated in annual international competition where our balloon reached 100,000+ feet

Scholarships & Awards

Distinguished Capstone Scholar

June 2017

Recognizes outstanding work performed during the Capstone final projects. This award was given for work done with AMP Robotics to identify machine glitches and identify potential data monetization opportunities.

Pioneer Award

May 2016

The University of Denver's most prestigious awards, given to 10 students, 1 faculty, and 1 staff member who exemplify the Pioneer Spirit and demonstrate strong academic performance, leadership, community service, campus involvement, strong character, and pride in the University.

Eleanor L. Campbell Award for Excellence in Mathematics

May 2016

Recognizes one outstanding female majoring in mathematics.

J. Fagg Foster Award for Excellence in Economics

April 2016

Recognizes outstanding performance in economics.

Outstanding Mathematics Major

May 2014, May 2015

Boettcher Scholar

March 2012

Full cost of attendance 4-year scholarship awarded to 40 of Colorado's top students annually based on scholastic ability, leadership, service, and outstanding character. Applies to any Colorado university.

Covidien National Merit Scholar

April 2012

\$10,000 Scholarship awarded for scholastic achievement.

Trainings & Skills

Instructional Skills Workshop

May 2018

Comprehensive instructor development workshop designed to enhance the teaching effectiveness of both new and experienced instructors.

Facilitator Development Workshop

Dec. 2018

Workshop designed to train facilitators for the ISW workshop so more locations/departments can have their own ISW.

Spanish Language – Advanced Proficiency

Python, SQL, SPSS, Visual Basic, WordPress, STATA – Intermediate Proficiency