

# MADLINE DOERING

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## Education

### University of British Columbia

*Ph.D Mathematics*

**Vancouver, BC, Canada**

*Sept. 2017-TBD*

### University of Denver

*M.S. Business Analytics*

*B.A. Mathematics*

*B.A. Economics*

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

**Denver, CO**

*Sept. 2016 – June 2017*

*Sept. 2012 – June 2016*

### 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.

### 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.

### 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*

Selected from a competitive pool of Boettcher Scholars, 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.

## Leadership & Service

### Femme in STEM

*Founder*

**Denver, CO**

*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

#### **Pioneer Leadership Program, University of Denver**

**Denver, CO**

*Alumna*

*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.

#### **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

#### **Pioneer Partners Tutoring**

**Denver, CO**

*President*

*Sept. 2012 – June 2016*

- Partnered 40+University of Denver students with University Park Elementary students for after school tutoring in literacy and math.
- Redesigned the program in third year to serve more students and allow students to bring outside projects

## **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