

## Molly Bates

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### EDUCATION

**Bates College**, Lewiston, ME

2024

**Bachelor of Science**, Major: Mathematics, Gender & Sexuality Studies.

Relevant Coursework: Community Engaged Data Science, Mathematical Models in Biology, Mathematics for Social Justice, Transgender Narratives of Self, Race, Ethnicity, and Feminist Thought

GPA: 3.93 Dean's List: Fall 2020-Winter 2022. Dana Scholar. STEM Scholar.

**SIT South Africa: Community Health and Social Policy**, Durban, South Africa

Fall 2022

Relevant Coursework: Approaches to Community Health, Social Determinants of Health, Research

Methods and Ethics, Independent Project: A study investigating perceptions of the COVID-19 vaccine

### DATA ANALYSIS & RESEARCH EXPERIENCE

**The Palladium Group**, Washington, DC

Summer 2023

#### **Data Science Intern**

- Conducted correlational and qualitative analysis on intersection of climate change, gender, and water, sanitation, and hygiene (WASH) among women living in Ethiopia, Pakistan, and Papua New Guinea using RStudio and Excel
- Presented poster at International Conference on Sustainable Development (ICSD) and publish journal article in September 2023
- Network with 50+ professionals to gain exposure to the field of international development

**ChicagoHealth**, Chicago, IL

Summer 2022

#### **Data Analyst**

- Analyze survey data of 350+ respondents for tobacco use, vaccine hesitancy, and cancer screening reports utilizing RStudio
- Present findings to organizations such as Her Safety Net, Maine CDC, and MaineHealth Center for Tobacco Independence

### LEADERSHIP & PROFESSIONAL DEVELOPMENT

**Bates Fem STEM Friends Club**, Lewiston, ME

January 2021-Present

President (2023-Present), Secretary (2020-23)

- Foster inclusive space for female-identifying students in STEM by engaging with literature and encouraging conversation

**Bates Academic Resource Commons Peer Tutor**, Lewiston, ME

Sept 2022 – present

- Help students grasp the fundamentals of math and DCS classes, support various learning strategies to help others learn according to their needs
- Participate in group coordination with other tutors to improve teaching approaches.

### SKILLS & INTERESTS

Language Skills: Mandarin (Intermediate), isiZulu (Preliminary)

Technical Skills: RStudio, Microsoft Office, Mathematica

Interests: LGBTQ+ and AAPI advocacy, healing justice pedagogy, traveling