

# Willow Alber-Martin

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I am a driven graduate with extensive experience in instruction and communication. I am proficient at managerial tasks and event planning, with additional skills in lab settings and data science.

## Education

<b>University of Colorado, Boulder, Molecular and Cellular Biology</b>	<b>Boulder, CO</b>	<b>Jun. 2020 - May. 2022</b>
Bachelor of Arts, May 2022		
- GPA: 3.385/4.00		
<b>New York University, Shanghai, Biology</b>	<b>Shanghai, China</b>	<b>Aug. 2018 - Jan. 2020</b>
Bachelor of Science, No degree conferred		
- GPA: 3.2/4.00		

## Experience

<b>Engineers Without Borders San Francisco Professional Chapter - Technology Coordinator</b>	<b>San Francisco, CA</b>	<b>Apr. 2022 - Present</b>
<ul style="list-style-type: none"><li>- Update and manage, mailing lists, Google calendar, website, fundraising platforms, conferencing platforms, communications platform, and other chapter-wide technology uses</li><li>- Manage login &amp; password data to chapter online accounts</li><li>- Collaborate with Marketing on website content</li></ul>		
<b>University of Colorado, Boulder - Learning Assistant Mentor</b>	<b>Boulder, CO</b>	<b>Jan. 2022 - May. 2022</b>
<ul style="list-style-type: none"><li>- Coach new learning assistants in pedagogy techniques</li><li>- Promote application of classroom concepts to teaching diverse arrays of students</li><li>- Provide observational and auditory feedback to learning assistants on how they can improve their teaching</li><li>- Facilitate weekly group mentoring sessions</li></ul>		
<b>University of Colorado, Boulder - Learning Assistant</b>	<b>Boulder, CO</b>	<b>Jan. 2021 - Dec. 2021</b>
<ul style="list-style-type: none"><li>- Respond to student concerns, teach co-seminars and hold office hours.</li><li>- Facilitate conversation between students in classroom and remote settings.</li><li>- Collaborate with faculty and other learning assistants to develop concise lesson material</li></ul>		
<b>Mentor Collective - Mentor</b>	<b>Boulder, CO</b>	<b>Aug. 2021 - May. 2022</b>
<ul style="list-style-type: none"><li>- Engage one-on-one with freshmen to offer advice and suggestions on transitioning into a college setting.</li><li>- Provide resources to students who are struggling and work with them to make academic plans.</li></ul>		
<b>Heart 2 Heart - Child Supervisor</b>	<b>Shanghai, China</b>	<b>Aug. 2019 - Dec. 2019</b>
<ul style="list-style-type: none"><li>- Organized fundraisers for families with children in need of heart surgery, and spent time with pre and post-operational children while they were in the hospital.</li></ul>		
<b>Restaurateur Club - President</b>	<b>Shanghai, China</b>	<b>Jan. 2021 - May. 2021</b>
<ul style="list-style-type: none"><li>- Communicated with restaurant owners in Shanghai to plan visits to their businesses for the student body chapter.</li></ul>		
<b>YouthRoots - Intern</b>	<b>Denver, CO</b>	<b>Aug. 2016 - Dec. 2017</b>
<ul style="list-style-type: none"><li>- Created teaching modules for future classes and organized the annual end of year banquet.</li></ul>		

## Certifications

Trained Mentor - Mentor Collective, 2021  
BLS Certified - Red Cross, 2020

**Skills:**

- Conversational fluency in Mandarin
- Semi-conversational in Korean
- LaTeX, HTML/CSS
- R for data science/scripting
- BLS Certified

**Lab Procedures/Assays:**

- SDS-PAGE
- Plaque assays
- PCR
- Restriction Digests
- Enrichment and isolation

**Select Projects**

- Developed a restriction enzyme simulator using Python and the *Saccharomyces* Genome Database for identifying cheap, off-the-shelf restriction enzymes that can be used for DNA fingerprinting.
- Built a low cost incubator for growing cultures.
- Compared DIY gelatin based cellular growth medium to lab grade agar.