

Willow Alber-Martin

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I am a driven undergraduate 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

University of Colorado, Boulder, Molecular and Cellular Biology	Boulder, CO	Jun. 2020 - Present
Bachelor of Arts, May 2022		
- GPA: 3.33/4.00		
New York University, Shanghai, Biology	Shanghai, China	Aug. 2018 - Jan. 2020
Bachelor of Science, No degree conferred		
- GPA: 3.2/4.00		

Experience

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

Skills:

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

Lab Procedures/Assays:

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

- BLS Certified

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.