

Abigail Hutabarat

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EDUCATION

UNIVERSITY OF COLORADO BOULDER, Boulder, CO

Expected 2023

Bachelor of Science in Chemical Engineering

- GPA: 3.9/4.0
- Minor in Creative Technology and Design

EXPERIENCE

NOVARTIS GENE THERAPIES, Libertyville, Illinois (supporting remote from Colorado)

2021 - Present

MSAT Intern

- Collected data from batch records into excel to improve the identification of trends during upstream manufacturing process
- Studied impact of media warming time on cell count and presented conclusion
- Reached out and interviewed interns and engineers to study about their experience and to attain advice

UNIVERSITY OF COLORADO BOULDER, Boulder, CO

2019 - 2021

Teaching Assistant for General Chemistry for Engineers

- Lead weekly recitations reviewing topics from class and walking through solutions to practice problems
- Communicated weekly with TAs to discuss ways to improve and prepare for recitation and exams
- Aided in creation of weekly worksheets and solution guides

Teaching Assistant/Teacher for CU Science Discovery

- Stepped up to teach JavaScript to middle schoolers due to sudden unavailability of original instructor
- Guided middle and elementary students through material of programming with Sphero RVR and game design with Agentcubes

Solar Flare Energy Output Research Member

- Analyzed data with classmates to determine energy output of a solar flare, instructions for analyzing data was delivered by professor
- Applied Python and Google Collab to calculate final energy output

Community Assistant for Residence Life

- Created a welcoming and friendly atmosphere to build a sense of community for residents by ensuring residents were seen and by exuding warm customer service
- Developed virtual programs to connect with residents, an example is an anime watch-a-thon where I advertised the CU Anime Club

GROUP PROJECT EXPERIENCE

TWIN PLANETS TEAM FOR CHORUS BATTLE

Acting Leader, Animation Head, Vocalist

2020 - 2021

- Created and planned a 4 minute music video involving original lyrics, singing, art, and video using collaboration of 9 members
- Proceeded to round 2 by ranking in top 76% of groups
- Navigated challenges with lack of communication and disappearances of members

HACKATHONS (T9 AND HACKCU)

Participant

2020 - 2020

- Collaborated with other students to develop mockups of projects utilizing HTML and Python over 48 hours

LEADERSHIP EXPERIENCE

PASSION PROJECTS, Online

2016 - Present

Content Creator

- Juggled several projects at once and ensured each task was completed in a timely manner
- Delegated tasks to members through Discord and followed up to make sure deadlines were met
- Learned how to use several programs including Adobe After Effects, Audacity, and REAPER
- Practiced storytelling and film-making via creation of music videos utilizing several skills and assets delivered by team members
- Uploaded and promoted final videos onto YouTube channel with 190+ subscribers

ACHIEVEMENTS

- Dean's List (Fall 2019-Spring 2021)
- Graduated high school with magna cum laude distinction (2019)
- 2nd Place in the High School Young Writer's Award by Colorado Council of the International Reading Association (2017)

TECHNICAL SKILLS

- Programming Languages: Python | Javascript | HTML | CSS | VBA