

Samantha Ingram

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Education

Bachelor of Science, Botany major, Utah Valley University, Orem UT- Expected graduation 2024

GPA: 3.51

Associate of Science, Utah Valley University, Orem UT- August 2021

Professional License in Cosmetology, Mountainland Technical College, Lehi UT- November 2016

Awards and Funding

- Kimball Harper Botany Scholarship Fall 2022 and Spring 2023; \$2,806
- NSF Biology STEM Research Scholarship Fall 2021- current; \$23,490
- Dean's list Fall 2021
- Greenlight Grant for outstanding academics 2020; \$1,298
- Wolverine Pathways Grant for continuing education 2019; \$5,350
- Dean's List Fall 2019

Publications and Presentations

- Curiosity Journal at Dixie State- in review August 2022
- Poster presentation at Utah Conference on Undergraduate Research, Dixie State University- February 2022
- Poster presentation of research project- December 2021

Research Experience

Rabbitbrush Speciation:

- Independent research project
- Designed and carried out speciation field work
- Identified pollinators and observed them in the field
- Identified plants to the subspecies level in a taxonomically complex group
- Morphology of 2 subspecies

Pinecone phenolics and herbivores:

- Dissect pinecones in search of pinecone beetles and other insects
- Made field collections
- Worked independently to collect biological data
- Worked with industry partners (Young Living LLC) on a collaborative project

Dr. Rotter Research Lab:

- Assist other research students with their projects
- Research writing and presentation skills

Volunteer and Service

- Botany Club, Utah Valley University, President - August 2022-current
 - Plan and carry out educational and service events
 - Organize club fundraisers
 - Communicate with fellow presidency, faculty, and club members
- Shetech, Mountain America Exposition Center - March 2022
 - Promote UVU biology and Botany programs to high school students
- Botany Club, Utah Valley University, secretary - August 2021-July 2022
 - Exceptional note taking and organization
 - Assist with organizing events and activities
- Utah Valley University Herbarium, student curator - summer 2021
 - Identified and processed collections
 - Mounted and preserved biological specimens
- Volunteer religious service, Novosibirsk Russia - 2013-2015
 - Conversational Russian
 - Community service and teaching English

Job Experience

- Greenhouse Assistant- August 2021-present
 - Organization and cleanliness of 3 greenhouses and additional storage/prep areas
 - Basic plant propagation and transplanting
 - Planting of seeds and maintenance of them to maturity
 - Assist with setting up a campus community garden and outdoor greenhouse
 - Outdoor work to upkeep garden productivity
 - Creating stock solutions and dilutions
- Personal Gardener- June 2021-August 2021
 - Garden plant, flower bed, and insect upkeep
 - Build raised garden beds and PVC irrigation system
 - Use of miter saw, weed-wacker, lawn mower, and other common tools
- Colorguard Program Director at Provo High School- October 2017-March 2020
 - Teach and demonstrate dance and spinning techniques
 - Choreograph performance material
 - Organize and create show and design elements
 - Oversee 15-24 students
 - Organize and see out fundraisers
- Cosmetologist/barber/dog bather-January 2017-May 2021
 - Customer service skills in person and over the phone
 - Manager over 4 stylists
 - Time management and problem-solving abilities

Skills

- Basic computer skills using Microsoft Teams, Excel and Word programs
- Identify plants with a dichotomous key, collect and press plants, use of hand lens and dissection microscope
- General yard work and gardening in all types of weather conditions
- Safely handle domestic and small animals

Goals

- Gain more hands-on experience with plants
- Identify plants more efficiently
- Publish a paper about personal research project
- Attend educational conferences