

Alexander Gustafson

Website: pygoose.com | Email: alexandergoose97@gmail.com | Phone: 704-780-2136
[GitHub](#) | [LinkedIn](#)

8631 W Hampden Ave, Apt 201, Lakewood, CO, 80227

Professional Summary:

Passionate biologist and software developer seeking a position that focuses on molecular biology techniques, bioinformatics, and DNA/RNA sequence analysis. With dual B.S. degrees in Biology and Computer Science, I am capable of complex genetic research, bioinformatics, as well as data analysis, mining, and visualization.

Education:

University of Colorado Boulder; Major: *BS, Computer Science* ; Expected Graduation: 12/2024; GPA: 3.89

Appalachian State University; Major: *BS, Biology*, 05/2021, GPA: 3.37, Dean's List: Fall '18, Spring '19/'20

Relevant Coursework:

Genetics, Data Science, Data Structures, Algorithms, Calculus II, Discrete Math, Data Mining, Botany, Applied Farm Operations, Agroecology, Statistics, Ecology, Organic Chemistry, Agroforestry, Coding Calculus Seminar

Work Experience:

Front Porch Coffee Shop | Barista | Lakewood, CO | 02/2024-Present

- Learned how to repair various equipment saving the company more than \$250 in repair costs. Maintain customer relations, ensure quality products, and support a collaborative and helpful environment.

Tentrr | Customer Service Agent | Remote | 06/2022-12/2023

- Diagnosed and resolved tech issues, reservation complications, and shipping issues. Increased overall customer satisfaction metrics by more than 3% and consistently had the best call stats of 100+ per week.

The Mustard Seed Market | Greenhouse Manager | 45 hrs/week | Blowing Rock, NC | 05/2021-07/2022

- Oversaw all greenhouse operations including shipping and receiving, ordering, plant care, and pesticide maintenance and mitigation. Gained practical knowledge on plant health, identification, and research.

Maintained records of current inventory and regularly collaborated with teammates.

Against The Grain Farm | Farm Hand Internship | Zionville, NC | 03/2020-11/2020

- Gained practical experience in agriculture and greenhouse technology management and maintenance. Learned about plant, soil, and insect interactions including their benefits and mitigation techniques.

Projects and Experience:

Plant Ecophysiology Research Lab | Appalachian State University | Boone, NC | 10/2019-05/2020

- Utilized principles of ecology, genetics, and physiology to analyze pigmentation variation in ornamental plants caused by high light stress. Used data mining and visualization techniques via R and Excel. Conducted plant sampling and analysis preparation in a collaborative environment and was awarded a \$400 research grant.

- Conducted research trials within a greenhouse and lab environment, and gained experience processing samples, analyzing findings, and presenting research to others clearly and effectively.

- Immersed myself into the world of plant research and was comfortable discussing science, plant ecophysiology, botany, and agriculture with other researchers and scientists.

Recipe Management System, chillcooks.com

- Developed a RESTful API that interacts with a remote PostgreSQL server hosted on Heroku. Leveraged Flask and JinJa2 for dynamic web displays, efficient routing between pages, and API calls.