Alexander Gustafson

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Professional Summary:

Results-driven computer science student with a strong foundation in software development and data science. Passionate about statistics and machine learning using Python, R, and SQL, I am seeking Summer '25 internship opportunities that allow me to utilize my analytical skills while gaining valuable mentorship.

Projects and Experience:

Automated Email System, Designed for and utilized by Tentrr, 06/2023-12/2023
- Developed an automated Python emailing system that reduced task time by 90%. Split a CSV of several hundred reservations into 50 unique PDFs and sent them out 2x/week to roughly 100 clients.

Recipe Management System, chillcooks.com
- Developed an 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.

Habit Tracker, Group Project at CU Boulder
- Gained experience with Agile development methods, weekly scrums, working with project managers, and using Git, GitHub, and branches as part of a development team. Utilized efficient version control practices.

Education:

University of Colorado Boulder; Major: *BS, Computer Science*; Expected Graduation: 12/2025; GPA: 3.86
Appalachian State University; Major: *BS, Biology*, 05/2021, GPA: 3.37, Dean's List: Fall '18, Spring '19/'20

Relevant Coursework:

Data Science, Data Structures, Algorithms, Programming Languages, Calculus II, Discrete Math, Data Mining

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Technical Skills:

Well-versed: Python, C/C++, R, SQL (PostgreSQL, MySQL), HTML/CSS, Flask, DSA, OOP, Unix, Agile, Git
Basic: C#, JavaScript, scikit-learn, Bash, Tableau, R, Linux, AWS, Cloud Development

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Work Experience:

Front Porch Coffee Shop | **Barista** | Lakewood, CO | 02/2024-Present
- Foster customer relationships, deliver quality products, and cultivate a supportive work 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.
Against The Grain Farm | **Farm Hand Internship** | Zionville, NC | 03/2020-11/2020
- Gained practical experience in agriculture and greenhouse technology management and maintenance.
Plant Ecophysiology Research Lab | **Research Assistant** | Boone, NC | 10/2019-05/2020
- Focused on pigmentation variation caused by light stress in ornamental plants, and collaborated with other students on data analysis and field research. Led to an interest in bioinformatics and quantitative ecology. In 2020 was awarded a research grant of $400 to use towards research materials.