BECK ANDERSON

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EDUCATION

Rochester Institute of Technology										**May 2024**
Bachelor's, Software Engineering									*GPA: 3.5*
- Minor: Computer Engineering
- Awards: Dean's List (Spring 2020, Fall 2020, Fall 2021, Fall 2023, Spring 2024), RIT Computing Medal Award

PROFESSIONAL EXPERIENCE

Rochester Institute of Technology							**Rochester, NY, USA**
Course Assistant										*Aug 2023 - May 2024*
- Assist in the education of students in the Software Development for Transfer Students and Engineering Secure Software courses.
- Involved in the answering of technical questions during class times, hosting mentoring hours, and grading student course work while providing helpful feedback.

Ecolab												**Dallas, TX, USA**
Software Engineer Co-op									*Jan 2023 - May 2023*
- Collaborated with a 25 person international team on the Prep-N-Print application, enhancing functionality and resolving system bugs.
- Demonstrated expertise in UI redesign using C# and Xamarin, ensuring compliance with requirements and elevating the user experience.
- Pioneered the design of the user interface for a new company application using Figma, actively engaging stakeholders to gather inputs and incorporate feedback effectively through meetings every two weeks.

Alpine Software Corporation								**Mendon, NY, USA**
Software Developer Co-op									*May 2022 - Dec 2022*
- Took charge of programming, maintaining, and supporting existing applications using Delphi and SQL.
- Mentored a team of 4 interns, leading to an increase in their productivity and successful completion of 15% more projects weekly.
- Worked closely with clients, collecting project requirements and translating them into design specifications, ensuring alignment with client expectations.

PROJECTS

Simulation of Protein Separations							**Rochester, NY, USA**
Aug 2023 - May 2024
- Steered the redesign of a pivotal product used by students to simulate protein structure, emphasizing modernization and enhanced functionality.
- Implemented the transformation of back-end software from Java to Python, leveraging Pytest and Jest for robust testing and the Biopython library for advanced functionality.
- Led the development of the API and backend, using technologies like Python and FastAPI, ensuring seamless integration with the redesigned system.

Reddit Sentiment Analysis								**Rochester, NY, USA**
Oct 2023 - Dec 2023
- Innovatively built an application for processing user sentiment on Reddit, employing a collaborative approach within a team of 5 using Git and AWS Technologies.
- Utilized AWS technologies, including DynamoDB, AWS Comprehend, API Gateway, and Terraform, to enhance the functionality and efficiency.
- Developed a clean and effective web environment for users to access sentiment insights.

Ecolab Recipe Card Project								**Dallas, TX, USA**
Mar 2023 - May 2023
- Independently conceptualized and developed a prototype system using Figma, adhering to company standards.
- Facilitated regular meetings with stakeholders to ensure the system met their expectations and incorporated their feedback effectively.
- Showcased proficiency in envisioning and creating innovative solutions for potential future products, contributing to the company's culture of forward-thinking and innovation.

SKILLS

Technical: Python, Java, C#, C/C++, .NET, SQL, PostgresSQL, REST APIs, Flask, FastAPI, Git, AWS, Microsoft Azure
Soft Skills: Agile, Web Development, Leadership, Communications, Client Relations