

BECK ANDERSON

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EDUCATION

Rochester Institute of Technology

Bachelor's, Software Engineering

Aug 2019 - May 2024

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

Course Assistant

Rochester, NY, USA

Aug 2023 - May 2024

- Facilitated learning for 25+ software development and engineering students by leading technical discussions, hosting mentoring sessions, and providing constructive feedback on coursework.
- Boosted student engagement and learning outcomes through responsive technical support, including answering questions during class and grading assignments with detailed feedback, resulting in 75% of students getting a B or better.

Ecolab

Software Engineer Co-op

Dallas, TX, USA

Jan 2023 - May 2023

- Collaborated with a 25-person international team to enhance functionality and resolve system bugs for the Prep N Print application, improving user satisfaction by 20%
- 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 90% of their feedback through biweekly meetings.

Alpine Software Corporation

Software Developer Co-op

Mendon, NY, USA

May 2022 - Dec 2022

- Spearheaded the programming, maintenance, and support of existing applications using Delphi and SQL, ensuring seamless operations.
- Mentored a team of 4 interns, resulting in a 25% increase in their productivity and the successful completion of 15 additional projects weekly.
- Collaborated closely with clients, expertly translating project requirements into comprehensive design specifications that aligned with client expectations, ensuring successful project delivery.

PROJECTS

Reddit Sentiment Analysis

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

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.

Simulation of Protein Separations

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.

SKILLS

Technical: Python, Java, C#, C/C++, .NET, React.js, HTML/CSS, SQL, Postgres, REST APIs, Flask, FastAPI, Git, AWS, Microsoft Azure

Soft Skills: Agile, Web Development, Leadership, Communications, Client Relations