

# Beck Anderson

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## Education

### ROCHESTER INSTITUTE OF TECHNOLOGY

B.S Software Engineering, Minor Computer Engineering. GPA: 3.5

Awards: Dean's List: Spring 2020, Fall 2020, Fall 2021; RIT Computing Medal Award

**Rochester, NY**

Grad Date: May 2024

## Skills

**Technical:** Java, Python, C, C#, Xamarin, Swift, SQL, RESTful API, AWS, Figma, Windows, Mac OS, Linux,

**Soft Skills:** Leadership, Effective Communication, Team Collaboration, Client Relations, Agile Methodologies

## Experience

### ECOLAB

**DALLAS, TX**

#### 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

**MENDON, NY**

#### 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.

### RESIDENCE LIFE, RIT

**ROCHESTER, NY**

#### Resident Advisor

Aug 2020 – Dec 2023

- Established a positive living environment by resolving conflicts, implementing policies, promoting academic excellence, and addressing student needs.
- Played a pivotal role in the selection, evaluation, and training of incoming RAs and potential higher ups, contributing to the development of a cohesive ResLife team.

## Projects

### SIMULATION OF PROTEIN SYNTHESIS

Sept 2023 – Present

- 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 for robust testing and the Biopython library for advanced functionality.
- Led the development of the API and backend, ensuring seamless integration with the redesigned system.

### 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 CARDS 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.