

Beck Anderson

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Education

ROCHESTER INSTITUTE OF TECHNOLOGY

B.S Software Engineering, Minor Computer Engineering

Awards: Dean's List: Spring 2020, Fall 2020, Fall 2021, Fall 2023; RIT Computing Medal Award

Rochester, NY

Grad Date: May 2024

Skills

Technical: Java, Python, C, C#, Xamarin, Swift, SQL, RESTful API (FastAPI, Flask), AWS, Figma, Windows, Mac OS, Linux

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

Experience

DEPARTMENT OF SOFTWARE ENGINEERING, RIT

ROCHESTER, NY

Course Assistant

Aug 2023 – Present

- Assist in the education of students in the Software Development for Transfer Students and Engineering Secure Software course.
- 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

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 .NET 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.

ALPINE SOFTWARE

MENDON, NY

Software Developer Co-op

May 2022 – Dec 2022

- Took charge of programming, maintaining, and supporting existing applications using Delphi, SQL, and Microsoft Azure.
- 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 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 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

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.