

Skyler Augustyn Herman

Software Engineer

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Optimistic Software Engineer seeking a full time opportunity following graduation in May 2024

Skills

Programming:

Java, Python, Rust, C, C#, SQL, REACT.js, HTML, CSS, REST API, R

Tools:

Git, Gitlab, Vagrant, Docker, Kubernetes, Helm, Terraform, AWS, EKS, Domino, Miro

Second Languages:

American Sign Language

Education - Certifications

B.S Software Engineering - Rochester Institute of Technology 3.59/4.0

May 2024

Awards: RIT Founders Scholarship, RIT Computing Medal, Dean's List, Performing Arts Scholar

Professional Scrum Master 1

April 2023

ScaledAgile Certified Safe 5 Agile Software Engineer

December 2021

Work Experience

Global Technology Software Engineering Intern - Prudential - (Newark, NJ)

6/2023 - 8/2023

Created a micro-frontend POC for an insurance quote web service using React, the single-spa library, and webpack. Demonstrated the functionality of this service through team demos held during our Scrum ceremonies. The web app was used as a widget in a major internal system. Worked with a new Product Owner to increase cross-team communication and aided in the re-design of the team's main product. Assisted in preparation for Product Increment Planning.

Tools: React, Webpack, Single-spa, Miro, Bitbucket, Confluence, Jira

R&D Technology Co-op - Johnson & Johnson - (Raritan, NJ)

1/2023 - 6/2023

Presented with opportunities to speed up runtime processes on AWS instances through implementation of the OneMKL library and Volcano Batch scheduling system. Assigned responsibilities to investigate and test the accuracy of these opportunities. After applying them, discovered the initial projections were inaccurate and reported this data. Concurrently, independently sought out other opportunities and created a script to acquire a user's management chain up to the CEO, as well as their compute cost. Functioned as a Scrum Master to instill Agile principles in a newly converted Scrum team, resulting in 45% more efficient team meetings.

Tools: Python, React, Node.js, AWS, EKS, Volcano, OneAPI, Sharepoint, Jira, Agile Methodologies

Software Engineering Intern - IOMAXIS - (Arlington, VA)

8/2021 - 12/2021 / 5/2022 - 8/2022

Supported a project on a Scrum team that required the development of a proxy manager that could communicate over TCP and UDP. Lead investigation and outlining of issues before development resulting in the design and implementation of a major system's refactor utilizing Python and Rust libraries. Manual tasks involving external vendors were converted into an automated script that was added to our pipeline. On return, focused heavily on acceptance criteria including expansion of Kubernetes automation and quality testing.

Tools: Rust, Python, Vagrant, VirtualBox, Gitlab, Confluence, Docker, Terraform, Kubernetes, Helm

Projects

Course Select

Tasked with creating a full stack project working from the backend built in SQL to a React frontend. Constructed a frontend that communicated with the backend through a Flask Restful API. Re-engineered the project in multiple iterations as the semester progressed to improve usability.

Tools: Python, SQL, React, Restful API, Reactstrap

Extracurriculars

RIT Players (Theater) President

February 2022 – March 2023

Elected under the platform of increasing club communication. Organized responsibilities of other officers and production teams, presided over meetings, and ensured club operations ran smoothly for a club with over 60 active members. Used Trello for itineraries.