

Nicole Haraj

Full Stack Engineer

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Work Experience

Seminaut, Inc.

Full Stack Engineer Intern

June 2023 — Present

Austin, Texas

- Created React frontend features using TypeScript, TailwindCSS, and Vitest for unit testing.
- Developed Python and Flask-powered backend API routes for full-stack applications.
- Conducted comprehensive API endpoint testing using Postman.
- Designed data models for SQLite database with SQLAlchemy and Marshmallow.
- Participated in weekly Scrum meetings to discuss progress, achievements, and task resolutions.

Softheon, Inc.

Junior Systems Administrator

Sep 2021 — Sep 2022

Stony Brook, New York

- Developed automated scripts using Python and PowerShell to streamline routine tasks and improve operational efficiency within the IT team.
- Managed Docker Engine and Docker Desktop across Azure, Ubuntu servers, and developer workstations, ensuring seamless containerization and deployment of applications.
- Collaborated with the software engineering team to implement server redundancy using RabbitMQ, enhancing the scalability and availability of production systems.
- Successfully procured, deployed, and managed Ubuntu, RHEL, and Windows servers utilizing Hyper-V, optimizing system performance and resource allocation.

Education

Bachelor's of Science

Stony Brook University

Aug 2016 — Dec 2020

Stony Brook, New York

Major: Information Systems

Coursework: Data Structures, Database Design, Computer Networks, Scripting Languages

Honors: Dean's List (2017, 2019, 2020)

Selected Work

User Achievement Discord Bot

- Developed interactive Discord bot using Rust and the Serenity library for integration with Discord's API.
- Utilized DynamoDB to manage and store user statistics and achievements.
- Implemented user-driven event handling features, enabling personalized and interactive experiences.
- Packaged the bot with Docker and deployed it on AWS Fargate.

Technical skills

Programming Languages

Tools

Frameworks

TypeScript, Python, Rust

DynamoDB, MongoDB, PostgreSQL, Node.js, Git

React, Flask, T3, Next.js, Express