

Nicholas Rexrode

920-660-7490 • nrexrode02@gmail.com • nickrexrode.com

1301 Spring St. Apt. 206 Madison, WI 53715

Education

BS in Computer Science

University of Wisconsin-Madison, Madison, WI

- Anticipated graduation of May 2024
- GPA: 3.632

Experience

The Good Neighbor Partnership

Madison, WI

Development Team

March 2022 - Present

- Wrote code to compile and restructure census data to provide insight and visualization to better understand the data.

Kaysun Corporation

Manitowoc, WI

Layout Technician Assistant

May 2021 - August 2021, May 2022 - August 2022

- Learned and applied tolerancing to ensure the quality of parts sent to customers.
- Cooperated with engineers through multiple forms of communication to assist with the development and testing of new products.
- Followed specific documentation in order to perform capability and gauge r&r studies.

Get Air Trampoline Park

Green Bay, WI

Lifeguard Lead

June 2018 - March 2020

- Ensured the safety of jumpers, while creating a fun environment for the children and parents.
- Managed upwards of four other lifeguards to ensure proper allocation of staff.
- Collaborated with parents to plan their party and allow them to enjoy time with their children.

Projects

- *FBLA Coding and Programming* 2019 Nationals
 - Created a program to manage the issuance of E-Books to a class of students
- *Personal Website*
 - Created nickrexrode.com using React, Express, and AWS.
- *Discord Music Bot and Web Portal*
 - Created a Discord music bot using discord.js and Typescript to play songs on request
 - Used AI to create group playlists that account for everyone's personal taste in music.
 - Created a web portal to allow users to create custom playlists online, that are linked to their account, which they can play through the discord bot.
- *Rexrode Family Tree*
 - Created multiple webpages using React to visualize my family tree.
 - Created complex input forms in order to transfer data from a physical book to the website.

Skills

- Proficient with Object Oriented Programming (Java, C++) design patterns and implementations
- Experienced web development with Javascript, Typescript, React, HTML, CSS, and Express
- Proficient understanding of data structures and algorithms
- Experienced using python, pandas, numpy, and R to analyze large data sets

Course Work

- Programming II, III
 - Object Oriented Programming, Data Structures
- Machine Organization and Programming
 - Fundamental structure to a computer system: memory on the stack and heap, caching
 - C programming language, x86 64 bit assembly
- Algorithms
 - Knowledgeable of numerous algorithm design paradigms, and their implementations.