

DOUGLAS RUDY

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EDUCATION

The University of Akron, Akron, Ohio

Master of Science in Computer Science – Systems

January 2022 - Present

Bachelor of Science in Computer Science – Systems

August 2017 – Present

Dean's List (3 semesters)

GPA: 3.897/4.0

Expected Graduation: Spring 2022

Associate of Science

Graduated: December 2019

Dean's List (3 semesters)

GPA: 3.9/4.0

TECHNICAL SKILLS

Algorithms, Data Structures, Computer Systems, Software Engineering, Calculus, Discrete Mathematics, Applied Statistics

Languages: C++, Java, JavaScript, HTML, CSS, CMake, Visual Basic, SQL

Technologies: Visual Studio, Git, SVN, React.js, Vue.js, WSL, Docker, Microsoft Azure, SSMS

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

RELEVANT PROJECTS:

Internet Systems Programming, Homegrown Herbs- Completed December 2020

- Utilized the React framework to create a cloud-based shopping web application which manages users
- Experimented with Google's Firebase API as a way of forming collections of products and managing login information
- Realized the capabilities of Sass as a CSS extension to design dynamic web pages

Object Oriented Programming, srcFacts- Completed May 2020

- Refactored code which leverages srcML to parse C++ source code with the goal of increasing its modularity, extensibility, reusability, and maintainability
- Utilized techniques of good design and coding style learned in class to aid in writing efficient methods as well as choosing the most efficient containers and library functions
- Experimented with OOP design pattern principles to gain an understanding of how to implement new or change existing code to solve specific concerns

WORK EXPERIENCE

Implementation Services Co-Op, FeneTech Inc. of Aurora, Ohio (Full-Time)

August 2021-December 2021

- Collaborated with 4 team members as well as our client company to implement FeneVision's ERP software into their servers.
- Realized the capabilities of the SQL language by using specific queries and cursor loops to expedite work processes.
- Provided live support to client by responding to and resolving tickets as they came in.
- Configured over 100 parts in our client's catalog using Visual Basic scripting as well as FeneVision's built-in tools to meet business requirements.

Sales Associate, Litehouse Pools & Spas of Wooster, Ohio (30+ hours out-of-school/15-25 hours during semester)

May 2017-Present

- Apply knowledge of pool supplies, chemicals, and accessories to educate customers on proper pool care, water chemistry, and finding the best product for their pool
- Work with other store associates to manage over 400 customers in two days during the largest store sale each year, answering customer questions, advising on products, and assisting with purchases
- Teach first-time pool owners how to open and maintain pools and manage water chemistry
- Troubleshoot issues for customers, most often involving algae-infested or metal-filled pool water, with the result of safe, clear, and soft swimming water

ORGANIZATIONS

Member, Association for Computing Machinery

February 2019-December 2020

- Tasked with weekly problem sets testing my ability to solve problems in a timely and efficient manner
- Collaborated with club members to gain different perspectives and approaches toward many problems

Member, National Society of Collegiate Scholars

January 2018-Present