

# Broc Mathews

brocmathews.com • www.linkedin.com/in/Broc-Mathews • github.com/bmathews42 • leetcode.com/bmathews42

## EDUCATION

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### Weber State University School of Computing-- Ogden, UT

Bachelor of Science

August 2024

Major: **Computer Science**, Minor: Spanish

GPA: 3.73

Certificate of Proficiency in Programming Essentials: April 2023

Associate of Applied Science in Computer Science August 2023

High Honors Award: Spring 2021, Summer 2021, Spring 2022, Summer 2022, Fall 2023

## Relevant Coursework

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Object Oriented Windows Applications, Advanced Database Programming, Human Computer Interaction, Operating Systems, Web Development with .NET, Software Engineering II, The Internet of Things, Scripting Languages

## EXPERIENCE

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### Northrop Grumman, Roy, Utah

Software Engineer Intern

May 2023 – Current

- Implemented multiple automated data transfer systems from Microsoft SharePoint to a SQL server, utilizing tools like Power Automate and Python for efficient data collection and manipulation before transmission to the server.
- Created a data optimization algorithm in support of the logistics organization's desire to streamline their goods movement location strategy.
  - Prior, product was shipping to 50+ diverse locations. After optimization, shipments can be realigned to the 6 distribution hub locations for quicker material receipt processing and inventory management. Over 5,800 lines items and \$4B in product analyzed.
- Participate in the creation and upkeep of 10 Power BI dashboards used by various sectors across the company.
  - Write SQL queries to efficiently pull necessary data.
  - Automate dashboards to automatically refresh data.
  - Correct numerous errors in pre-existing algorithms to ensure accurate data delivery.
- Assist in the implementation of a SQL server.
- Assist in the transition from Power BI to Tableau, requiring the quick and efficient learning of new skills.

### Morty's Car Wash, South Weber, Utah

Associate

May 2022 – May 2023

- Work on the creation and continued upkeep of the company website.
  - Ensure user-friendly environment.
  - Maintain up to date company information.
- Exemplify exceptional customer service.
- Inspect and maintain company assets to ensure 100% uptime.

### Weber State University, Ogden, Utah

Lead Testing Proctor

October 2020 – May 2022

- Monitor students during testing to ensure that all testing center policies are kept.
- Provide good customer service with students and faculty.
- Check students in and out of computers with limited space available.
- Foster good working relationships with students, faculty, and coworkers.
- Work with lead proctors at other testing centers to ensure that policies are easily identified and well-kept.

### Avantguard, Ogden, Utah

Alarm Dispatch Operator

July 2020 – October 2020

- Process burglar, fire, and other alarm signals quickly, accurately, and professionally in stressful situations in English and Spanish.
- Dispatch proper authorities and verify that help is on the way to responsible parties.
- Document all responses for the alarm on the computer.

## **VOLUNTEER SERVICE**

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**The Church of Jesus Christ of Latter-day Saints, Cali, Colombia**

Full-time Volunteer Representative

August 2018 – March 2020

- Served as Executive Secretary to the President.
  - Oversaw the incoming and outgoing travel for volunteers.
  - Worked with the Colombian government to ensure the legal status of the volunteers.
  - Created programs to facilitate the tracking of legal status for each volunteer.
- Taught English Courses.

## **SKILLS**

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### **Professional Skills**

C++      C#  
Java     JavaScript  
CSS      HTML  
SQL      Python  
MIPS     WPF  
Node.js   Docker  
.NET

### **Personal Skills**

Tableau                      Lean-Agile Methodology  
Power BI                     Time Management  
Leadership                 Fast Learner  
Problem-Solving           Team Collaboration  
Fluent in Spanish