

Ahmed Muntasir Hossain

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[Personal Website](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY OF QUALIFICATIONS

- **Skills:** Software Development, QE Testing, Performance Profile Analysis, Agile Methodologies, Mobile Application Development, Web Development, RESTful API Design, Database Management Systems, Communication
- **Programming Languages/Library:** C, C++, C#, Java, Python, HTML, CSS, JavaScript, TypeScript, SQL
- **Software/Framework:** Git, ReSharper, React, Next.js, EJS, Bootstrap, jQuery, Express, Node.js, MongoDB, Docker, Microsoft Azure
- **Relevant Coursework:** C++ OOP, Systems Programming, Data Structures & Algorithms, Operating Systems, Computer Architecture, Network Technologies, Cryptography & Data Security, Linear Algebra

EDUCATION

Bachelor of Science, Major: Computer Science | Minor: Mathematics

GPA: 3.99

University of New Haven, West Haven, CT

May 2023

Presidential Scholarship (Nov 2018), Dean's Scholarship (Mar 2019), Honors Program (Apr 2019)

Dean's List (Jan 2019, Jun 2020, Jan 2021, Jun 2021, Jan 2022, Jun 2022)

POSTER PRESENTATION & PUBLICATIONS

- "[Application of Natural Language Processing Techniques for Sentiment Analysis of Social Media Content](#)", 2023 HPEC
- "[Online Social Network Interactions: A Novel Online Reputation Management Solution](#)", 2021 ICEET
- "[Integrating Makerspaces into the Curriculum - Faculty Development Efforts](#)", 2021 FIE

PROFESSIONAL EXPERIENCE

Software Development Engineer I

Jun 2023 - Present

McDonald's Corporation

Chicago, IL

- Implemented a **failover mechanism** for crucial plugins running in stores, **reducing customer wait time by 12%**
- Developed a utility application in .NET to streamline local testing of the POS, **reducing development time by 20%**
- **Refactored legacy code** in C/C++ to improve maintainability, robustness, and scalability
- Created clear, concise, and complete **documentation** for **3 initiatives**
- Led **20+ Agile ceremonies**, including daily standup, sprint planning, retrospectives, and backlog refinement

Software Engineering Intern

Jun 2022 - Aug 2022

McDonald's Corporation

Chicago, IL

- Worked in an **Agile** environment with a team of 5 software engineers on the Point-of-Sale (POS)
- Wrote test scripts as part of **Test-Driven Development** using **OpenTest**
- Profiled the POS Startup process using **ReSharper dotTrace** to identify **bottlenecks**
- Documented and created a **function map** detailing all the functions being called during startup
- Optimized the source code and **reduced startup time by 15.2%**

Controls and Software Intern

May 2021 - Aug 2021

Nel Hydrogen

Wallingford, CT

- Worked with 5 engineers as part of the team to build 2MW hydrogen generators
- Integrated a centralized remote monitoring solution for hydrogen generators resulting in an **80% decrease in troubleshooting time**
- Developed a dashboard in Grafana using complex SQL queries to organize and display collected data for stakeholders including customers, engineers, and sales personnel **increasing their performance by 50%**
- Tested software and verified results after configuration in collaboration with the principal electrical engineer

Software Engineering Intern

Nov 2020 - Jan 2021

Next Level Sports Management (NLSM)

New York, NY

- Developed the website for [NLSM](#), a sports consulting agency, using WordPress and CSS
- Designed mobile and desktop responsive web interfaces that allowed over **30 players** to join our program
- Managed development projects for multiple teams of the startup including web development, operations, & marketing resulting in a **25% increase in revenue**

PERSONAL PROJECTS

Full Stack Developer – WordCord

Feb 2024 – April 2024

- Recreated the Wordle game using Next.js and integrated it with a Discord bot to allow users in a Discord server to guess words submitted by other members of the community.