

Brennen R. Daudlin
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EDUCATION	University of Michigan, Ann Arbor, MI <i>Undergraduate in Engineering in Computer Science</i> GPA 3.59/4.00 Coursework: Introduction to Computer Organization, Programming & Introductory Data Structures, Data Structures & Algorithms, Multivariable & Vector Calculus, Computational Linear Algebra, Introduction to Computer Security Awards: Dean's List (1st & 4th Sem.), Regents Merit Scholarship	August 2021 - Present Exp. Graduation: May 2025
	University College Dublin, Dublin, IE <i>Study Abroad Program in Engineering & History</i> Coursework: General Physics II, Elementary Laboratory II, Introduction to Irish History	May 2022 - July 2022

EXPERIENCE	Censored Planet, Ann Arbor, MI Research Assistant • Helped with writing Python code to automate the process of gathering vast amounts of data from official sources as well as debugging written Python programs that may be experiencing critical issues • Helped with the manual verification of data sets in order to ensure that obtained data is as desired	Winter 2024 - Present
	AM General LLC, Auburn Hills, MI <i>Application Support Specialist Intern</i> • Worked on and completely overhauled the companies retiree database by developing an application that allowed for the quick lookup, editing, and printing of specified records through PowerApps • Assisted in the process of migrating vast amounts of personally identifiable retiree information from Access to SQL as well as checking record integrity was maintained during migration through C++ programs • Helped numerous company employees in gaining access to approved SharePoint Sites through Remedyforce tickets and personal company admin account	May 2023 - August 2023
	Aqua Swim School, Ortonville, MI <i>Swim Instructor</i> • Using analytical skills to assess the skills of individuals and determine areas of improvement in order to create more prosperous lessons for the benefit of the individual • Leading the lesson properly and efficiently through the facilitation of a proper learning environment while also maintaining the attention of multiple young students	Fall 2019 - Spring 2020

PROJECTS	Stock Market Simulator • A simulation program of a stock market in C++ that measures the stocks of stock market traders of different items and each buyer and seller's actions within a time period to keep track of the rise and fall of stock prices • Utilizes a streaming algorithm within the simulation to determine the optimal timer period to buy and sell a commodity to ensure the highest profit margin	Jan. 2023 - Feb. 2023
	Custom SQL Library • A simplified version of SQL developed through C++ that took advantage of hashmaps with the goal of increasing speeds and access time	Feb. 2023 - Feb. 2023

COMPUTER SKILLS	Applications: Ubuntu, Visual Studio Code, PowerApps, SQL, Access, Power BI, RemedyForce Languages: C++, C, Matlab, Lua, Julia, Jupyter, Python Platforms: Windows 10	
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LEADERSHIP	Brandon High School FIRST Robotics Team #68, Ortonville, MI <i>Electrical & Strategy Team Lead</i> • Planned and designed the electrical panel and components of the robot using CAD software as well as collaborated with & assisted the programming team to ensure specs & deadlines were met • Lead the team in studying the strategies of other FIRST teams in order to create strategies that would counter other team's strategies while also leading the team in data collection and analysis	Sept. 2018 - June 2021
	Michigan Rifle Team, Ann Arbor, MI <i>Treasurer</i> • Responsible for the handling of the team's finances, including the management of thousands of USD, collection of individual's dues, and collaboration with other team officers to ensure that the team remains financially stable	July 2022 - July 2023