

George C. Ward

<https://www.linkedin.com/in/georgecward>

2011 Holt Ave. Apt D
Rolla, MO 65401

gcwzf4@mst.edu
573-714-8598

Education	Missouri University of Science and Technology (Missouri S&T) B.S. Computer Science	Dec 2019 GPA 3.593/4.0
Courses	Introduction C++ <ul style="list-style-type: none">• Gained knowledge in the basics of C++ such as data types, operators, template classes, loops, and file I/O's• Created a calculator that calculated exponentiation, square roots, cubed roots, sine functions and cosine hyperbolic functions using Taylor Expansion Series• Final Project consisted of building a 2D game that displayed on the console Data Structures <ul style="list-style-type: none">• Learned about C++ pointers, basic data structures, basic algorithms, and proper coding techniques• Developed programs such a maze solving algorithm using recursion and calculator utilizing the stack data structure Introduction to Database and File Structures <ul style="list-style-type: none">• Collaborated on a group project to implement a B+ Tree with visualization• Learned the CRUD operations for interacting and modifying database• Worked extremely hard on understanding the conceptual modeling of relational databases Introduction to Micro-controllers and Embedded Systems <ul style="list-style-type: none">• Programmed an 8051microcontroller in both C and Assembly to create a game (Whack a Chocobo) that displayed a score on using serial display and the FF VII victory theme song upon winning the game	
Experience	Device Solutions Software Development Intern <ul style="list-style-type: none">• Captured data and analyzed it using Wire Shark• Created Python scripts to produce simple statistics from data provided by Wire Shark• Developed a support/billing database• Developed Tools for importing data to the database from an Excel spreadsheet• Developed Python library for interacting with database	Raleigh, NC May 2018 – Aug 2018
	WW Wood Products Inc. Software Development Intern <ul style="list-style-type: none">• Developed a web based application utilizing C#, JavaScript, HTML, CSS, and SQL that took user inputs to find doors of matching colors to reduce waste in time and material• Connected with factory managers to ensure the web application met factory floor needs• Created automated tests to replace manual testing in two of company's programs saving 1-4 hours of labor per test run• Trained senior software testers upon end of internship on SQL data tables that were required to run automated testing	Dudley, MO May 2017 – Aug 2017
	Missouri S&T Data Structures Lab Assistant and Grader <ul style="list-style-type: none">• Assisted students with learning the fundamental Computer Science tools, such as version control(git), bash scripting, unit testing, Graphical User Interface tools (QT), and much more• Elaborated to students on how to utilize the tools that are presented in class• Collaborated with instructors on how to better develop the class	Rolla, MO Jan 2018 – Present
	Missouri National Guard 31B Military Police <ul style="list-style-type: none">• Performed and assisted with maintenance on government equipment• Conducted training exercises to prepare for overseas deployment or national disaster assistance and relief	Poplar Bluff, MO Sept 2015 - Present
	United States Navy Aviation Structural Mechanic <ul style="list-style-type: none">• Supervised approximately 3-5 service members onboard ships tire and wheel shop• Acted as assistant supervisor of hydraulic pneumatic repair shop• Collaborated with composite repair shop and air-frames to achieve successful flight operations• Worked as a team to effectively ensure aviation operations could be performed in a safe and timely manner	Sasebo, Japan May 2011 – Apr 2015

Skills	C++ (proficient)	Microsoft Visual Studios	C# (proficient)
	Secret Security Clearance	HTML (basic)	CSS (basic)
Honors & Activities	JavaScript (basic)	Assembly (basic)	Python 3 (basic)
	C (basic)	SQL (proficient)	QT (basic)
	Bash Shell	GNU Make	Unit Testing
	ACM Sig-.com - Fall 2017 - Active Member Missouri S&T Mars Rover Design Team - Spring 2017 - Member Navy and Marine Corps Achievement Medal Missouri National Guard Solider of the Year Award Dean's List (Missouri S&T) - Fall 2017 Dean's List (Three Rivers College) - 2015, 2016 Student Veterans Association (Three Rivers College) - Fall 2015 - Vice President Student Government Association (Three Rivers College) - Fall 2015 - Secretary		