

Trey Wayland

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22 East Monticello Drive, Camano Island, WA

Qualifications

Bachelor's of Science in Computer Science, Minor in Mathematics
Western Washington University, Graduated Spring 2020, GPA: 2.93

Skills - Java, C, C++, C#, Python, HTML5, CSS, Javascript, JSP/Servlets, .Netcore3, TCP/IP, MVC, Unity, MySQL, SQL, MATLAB, Android Studio (Java), Cyber Security, Multivariable Calculus, Bash Scripts, AzureDB, Tomcat, GNU Debugging.

Algorithms and DataStructures - Advanced algorithm and data structure courses taken at WWU. I implemented greedy algorithms, dynamic programming, divide and conquer and other searching and sorting algorithms.

Object Oriented Programming - As a school project, I coded a board game in Java that emphasized object oriented programming. My senior project also included object oriented programming in C#.

TCP/IP - Participated in partner programming to implement a client server chat room that used and highlighted TCP/IP protocols in the C language. A handful of my other projects also used TCP/IP protocols including my senior project.

Software Engineering - For my senior project, I was chosen to help a local non-profit, ID to Work, for a year-long project with a small team. Our software helped homeless clients obtain missing IDs, while providing the ID to Work employees a faster, easier way to process clients. We chose .NetCore3 as a web framework to implement an MVC web application written in C. We also used Microsoft's AzureDB as a database to get our client's project off the ground. I received valuable work experience participating in weekly discussions with our client, designing and coding his ideas.

Cyber Security - I learned how to protect software against Malware, Rootkits, Buffer Overflows, PHP Injections, and other attacks. Security is a priority in my code.

Java Servlets/JSP - My own interests have led me to learn Java Web Development and the JSP framework, using the Tomcat server. Combining my Java Web Development and the JSP framework with my skills in HTML and CSS, I am effective at both front and back end Web Development.

MySQL - MySQL courses from WWU included projects where I inserted, modified, and maintained mass amounts of data resembling stocks, weather data, and populations using SQL as a query language.

Android Studio - Making Android apps is one of my favorite extracurricular activities while in college. I have made utility apps, and I have collaborated with a local colleague to make a Beginners Guide to Fishing app.

Matlab - I have taken several courses from WWU in advanced mathematical computation where I constructed Matlab programs to compute multivariable derivatives and integrals. I also have experience in making programs that solve non-linear optimization problems.

About Me

Motivated: The most exciting thing to me is learning about new technologies. I hope one day to be the person who is creating new technology for the world to use.

Communication Skills: I believe clear communication among team members is a key element to making a company stand out.

Problem Solver: My mathematical minor and computer science degree have allowed me to become a strong problem solver. Being a strong problem solver means never giving up and looking at problems from a variety of angles to find the best solution.

Job History

Pantry Chef, Anthony's Homeport, Bellingham WA: June 2017 - June 2020

Public Works Internship, City of Stanwood Water Department: June 2016 - September 2016

Haggen Cashier, Stanwood, WA: June 2015 - September 2015

Store Clerk, Rite Aid, Stanwood, WA: March 2014 - June 2015