

Colten Van Voorhis

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Technical Skills

Programming Languages: Java, Python, C++, HTML, CSS, Git, Javascript, SQL

Operating Systems: Windows 7/8/10, Linux

Other: Utilizing AWS for database hosting and management; familiar with Oracle's virtual machine-based development environment; using GitHub for coding assignments & Github pages; using Blender's 3D graphic-modeling software.

Education

Texas A&M University-Commerce, Commerce, TX.

Bachelor of Science in Computer Science, Minor in Mathematics.

GPA: 4.0 | Graduation: May 2024

Relevant Courses: Machine Language and Digital Logic, Data Structures and Algorithms, Database, Web Programming and Interface, Systems Analysis and Design, Object Oriented Design, Info Security, Application Software Development, Linear Algebra, Numerical Analysis, Mathematical Statistics, Calculus III.

Activities: Cross Country/Track and Field Athlete, Student Athlete Committee Member, Broadcast Camera Volunteer.

Professional Experience

TAMUC Computer Science Department Undergraduate Research Assistant | August 2023 - present

- Continued research conducted during Summer 2023 with Dr. Yuehua Wang with a focus on automation of network tools and machine learning

Cross Border Threat Security Research Intern | May - August 2023

- Conducted DHS sponsored research with a team of four under the guidance of two faculty mentors
- Worked towards the creation of tools intended to automate the network risk assessment process
- Detailed and documented the current state of several topics requested by the DHS

Lowe's Retail Sales Associate | May 2021 - August 2022 | Prosper, TX

- Standard associate position

Projects

- Portfolio [Website](#) - Dec 2021 | Created a portfolio website with the assistance of HTML5UP while also utilizing GitHub Pages and Visual Studio Code. This is the best way to view the projects I've worked on.
- Stock Web Scraper - June 2022 | Created a stock scraper that collects data from a financial stock screener and displays the top stocks in any given category in real time i.e. top gainers/losers, most volatile, high volume, etc.
- Simulated Database - Apr 2022 | Created a website that communicates with a database using SQL and PHP. The website can perform various database queries such as retrieving existing data, inserting data from user input, searching and deleting data.
- Inventory Management System - January 2023 | Created an online application that relies on database management and hosting through AWS capable of displaying system inventory information for a business. After a user logs in, depending on the access level a user has been granted by the business, they will be able to search for an inventory item available on hand, add or remove items as they move throughout a system, and order new stock as it's needed.

Personal Interests: Development of artificial intelligence and how beneficial it can be to our society; Aerospace Technology; Software Development; Machine Learning; Stock Trading, Cyber Security/Defense.