Nguyen Giang

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INTRODUCTION

I'm originally from Vietnam, and I traveled halfway around the globe to the United States in 2019. I have a deep passion for technology, particularly in the fields of computer science and cybersecurity. I consider myself an out-of-the-box thinker who thrives on solving puzzles and tackling complex problems. My goal is to utilize my expertise in these areas to contribute positively to society and help advance technological innovation.

KEY COMPETENCIES

Java, Python, C#	Networking	Git Version Control
Database MySQL	Linux / Windows	IntelliJ IDEA / VS Code
HTML, CSS, Javascript	Hardware Troubleshooting	Wireshark Tool

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AREA OF STUDY

Wireshark Project - Individual Project
Computer Architecture & Networking
Experienced in using Wireshark for in-depth network protocol analysis, focusing on HTTP, UDP, DNS, TCP, and IP. Proficient in capturing and interpreting packet data to troubleshoot network issues effectively. Skilled in analyzing HTTP request/response cycles, TCP connections, and IP fragmentation, contributing to robust network administration capabilities.

Sorting Algorithms Experiment - Team Project
Analysis of Algorithms
Led a comprehensive experiment evaluating the efficiencies of diverse Sorting Algorithms in Java, encompassing Insertion Sort, Merge Sort, and Quick Sort, among others. Employed OOP principles to design UML documents for software organization, overseeing rigorous testing with diverse sizes and configurations. Analyzed and compared algorithm performances using plot charts, fostering insightful discussions on tradeoffs and applicability across different contexts in the final report.

Social Media Network - Team Project
Data Structures & Algorithms
Designed and implemented a social media network application in Java with Graph, applying object-oriented programming principles to ensure robustness and maintainability. Utilized graph data structures and ADT models to facilitate functionalities such as profile creation, modification, and friend management. Developed a menu-driven interface to simulate user interactions, prioritizing clean code and readability. Showcasing a comprehensive understanding of both OOP and data structures.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Science
North Seattle College

Associate in Computer Science
South Seattle College - GPA 3.5

HOBBIES

Guitar
Fine Art
Photography
Graphic Design
Creative Writer