Journal 1\_1: Self-Introduction

Hai Nguyen

CS 499 Computer Science Capstone

Professor Brook Goggin

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1. Introduction:

My name is Hai Nguyen, and I have been a part of the Computer Science program since April 2020. I’m happily married and eager to share my journey and experiences in the field of computer science.

1. Through the Computer Science program, I have learned multiple programming languages, including Java, Python, C, C++, C#, etc. I also delved into data structures, algorithms, and software development, and gained a deep understanding of computer architecture and operating systems. Moreover, I’ve explored the realms of web and mobile app development, examined cybersecurity and ethical considerations, and sharpened my problem-solving and critical thinking abilities. Three of the most important concepts or skills that I have learned are problem-solving, data structures, and Object-Oriented Programming (OOP).
2. Current career or future career relate to computer science:

Computer Science has become a foundational skill that can enhance and advance a wide of range of careers. It serves as the backbone for professions directly tied to software development, data analysis, cybersecurity, artificial intelligence, and web and mobile applications development. As technology continues to evolve, computer science provides professionals with the tools to navigate the digital landscape, make data-driven decisions, and drive innovation in their respective fields. Overall, regardless of my career, computer science is an invaluable asset, fostering problem-solving and enhancing efficiency in an increasingly technology-driven world. There are some examples to show how computer science is relevant. For example, online learning platforms and educational software have become integral to modern education. Game developers also apply computer science in graphic rendering, physics simulations, and AI for non-player characters. The complex worlds in video games are built using computer algorithms and data structures. Electronic health records are now standard, and healthcare professionals use computer science to access and manage patient data securely.

1. My career plans:

As a computer science major, my plan typically involves pursuing a structured curriculum that includes coursework in programming, algorithms, and data structures. My plan may also encompass internships, personal projects, and participation in coding exhibitions to gain experience and build a strong portfolio, all with the goal of acquiring a well-rounded education and preparing for a career in the field of computer science.

1. Specialization targeting for career:

Working for Amazon in an information technology (IT) role is a feasible and attractive career path for me as studying computer science. Amazon, as one of the world's largest e-commerce and technology companies, offers multiple IT positions, from software development to network and system administration. In addition, depending on the role, certifications like AWS Certified Solutions Architect or AWS Certified Cloud Practitioner could be valuable in Amazon’s cloud-based IT positions.