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Informatics Major Essay

A common rationale for choosing a career path in informatics or computer science often comes down to financial stability, however that is not the case with everyone. Growing up, I often felt confined to a predetermined way of doing things, whether it was daily tasks or school assignments. It seemed like there was a strict rulebook dictating my actions, leaving little room for creativity or alternative approaches. Transitioning to an Informatics major represents liberation from these constraints. In this field, I can explore innovative solutions to problems by creating my own path rather than strictly adhering to the norm. For me, informatics is not just about financial stability, it is about reclaiming my independence and embracing the creativity to approach challenges in my own way. It is a field where I can insert my personality and make a real difference to bringing my unique perspective to areas in and outside of computing.

Outside of computing, I am interested in studying Business. The intersection of Informatics and Business offers opportunities for innovation, strategic decision-making, and growth. One area where these two fields merge is Data Analytics, where a vast amount of data from various sources is leveraged to identify pattern trends and correlations for business strategies. Pursuing the Data Science concentration within the Informatics major will bring me closer to understanding the data behind the complexities of business environments. Through understanding the intersection between Business and Informatics, I aspire to develop a game that addresses an issue: child education in underserved communities. The game will engulf players in a young girl's world, where they will encounter obstacles reflective of the challenges that many Indian girls face, such as gender discrimination, societal expectations, and lack of access to education. In this game concept, the intersection between Business and Informatics can be seen through where players will develop strategic plans to allocate resources and utilize data analytics tools to track the effectiveness of their choices.

Training in CS forms a foundational framework that intersects with various departments, including Business, Data Science, Game or Web Programming, and Statistics. This interdisciplinary approach allows me to comprehend the technicalities behind these fields and gain insight into the inner workings of software systems. For instance, in Business, my CS background enhances my data analysis capabilities, by allowing me to make informed decisions based on analytical insights. Similarly, in Statistics, my CS training facilitates quality assurance processes, particularly in tasks like bug identification and defect analysis, which ensures the accuracy of statistical techniques. By immersing myself in CS, I have the opportunity to sharpen my technical skills and recognize the distribution of data. This prepares me with problem-solving abilities and fosters creativity when tackling solutions to complex challenges. Overall, training in CS serves as a gateway to not only technical proficiency but also a deeper understanding of the interconnectedness to diverse fields in today's digital landscape.

As a current CS major, I recognize the significant distinctions between CS and Informatics. CS typically focuses on the theoretical foundations of computing, algorithms, and software development, while delving into the fundamental principles of computational theory. Informatics, on the other hand, has a broader scope that focuses on the application of commuting principles to solve real world problems in various fields. By transitioning into Informatics, I will be able to leverage my prior CS knowledge and apply it to courses that I will take as an Informatics major. Being part of the Informatics program will

provide me with the freedom to be creative and make an impact by implementing solutions both in and out of computing.