

## **BSIS Program Review 2**

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LIS: 4934 Senior Capstone

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March 26, 2024

## **Introduction**

When reflecting on the Bachelor of Information Science (BSIS) program at USF, there were a few assignments that stood out as more relevant and useful to my goals than others. My goals coming into the program was to learn how to practice data science and web development, so I could work in either of these industries during my career. Since I chose to follow the web development concentration, I will focus on that. The most useful projects were designing a website using high fidelity wireframes in figma for information architecture, building a full stack website using html, css, php, and mysql for world wide web page design and management, writing about autonomous vehicles for information policy and ethics, and communicating in the workplace for professional writing.

## **Designing High Fidelity Wireframes**

During the Information Architecture course (LIS 3783), I was assigned to a group project with the objective of creating a website for an imaginary company. The assignment required us to create an imaginary company, assess the potential users of the service, identify how the users would interact with the website, and design the website with various levels of wireframes using figma. I enjoyed the realism of this project, as working in a group to design a website is similar to the work environment of a web developer. I believe this assignment was extremely valuable in learning how to design a website before building it. This assignment provided me with the opportunity to learn about UI/UX concepts as well as discover what the work of a designer is like. This class has prepared me for the work of a UI/UX designer which is valuable. I wish I had more opportunities to design wireframes throughout the program.

### **Building Full Stack Web Apps**

During World Wide Web Page Design and Management (LIS 3361), I was assigned to build a full stack web app for a charity or organization as my final project. Throughout the semester, I learned how to accomplish this step by step. I already had some experience with this from my previous internship, but I had the opportunity to learn how to implement full stack web apps using php which was new for me. I believe developing full stack web apps is the most valuable thing I had the opportunity to study during this program. This is the essence of the job of a web developer. I wish I had more opportunity to build full stack web apps in various ways or to discuss the benefits of various architectures throughout the program.

### **Communicating in the Workplace**

During Professional Writing (ENC 3250), I was assigned various tasks such as emailing a boss who is angry about a delay in work or compiling an information report on a project. These were some of the most practical assignments of the program because of how realistic they were. There is no doubt I will run into situations that are similar if not identical to those presented in the course during my future corporate work experience. I believe learning how to communicate in the workplace is an extremely valuable skill especially within the technology field.

### **Information Policy and Ethics of Autonomous Vehicles**

During Information Policy and Ethics (LIS 4414), I was assigned to review policy and ethics regarding autonomous vehicles. This class challenged my analytic, writing, and critical thinking abilities. This assignment provoked me to think about the consequences of how future technologies are implemented and taught me much about the way technologies are released into the world. The ethics of how a self-driving AI is developed and implemented into autonomous vehicles is not only interesting but a challenging debate for non prejudice policy.

### **Conclusion**

Throughout my experience of the BSIS program, I was challenged and exposed to many new ideas. I believe I came out of the program more prepared for my career than ever before with new skills such as wireframing in figma, developing full stack web apps, communicating in the workplace, and thinking critically about technology, information policy and ethics. I believe this program helped prepare me for my career, but I also believe it could have better prepared me by emphasizing the more important aspects of the program such as those mentioned above. Lastly, the Senior Capstone (LIS 4934) was essential in developing a portfolio which will be useful in demonstrating the skills I have developed to potential employers.