Individual Capstone Assessment

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From my academic perspective the senior design project is about using all the tools you've learned in your 4 years from classes to co-ops, and focusing it into a project of your choice that you create, manage and present. It gives you a chance to be creative and apply the culmination of your learning. It also gives you an opportunity to lean on the relationships you've built throughout your 4 years in the CS program. The open ended nature of the assignment lets you explore whatever field you would like within the technology scope. It is a combination of all the technical skills you've learned along with the project management and team work skills you've developed through 4 years.

My experience from my course curriculum was very diverse and gives me a solid technical foundation to complete this project. Programming Languages(CS 3003) with Will Hawkins was one of my favorite courses, and gave me a very diverse exploration of the programming field. This gave me a strong technical foundation to approach most coding and software tasks. Another class that will guide the development of my project is software engineering (EECE 3093) where I formed a team at the beginning of the semester and then worked on a semester-long project with that team. This gave me the practical experience that should easily translate to working with my team on the senior design project.

My experience from my co-ops while with the same company was still a decently diverse experience. I did two rotations of web development and two rotations of software development for Siemens. My software development rotations involved me working on NX software, while the web development rotation had me working on company websites using the agile development process. Both these teams gave me varying experiences of how to code with a team. The agile process was introduced and familiarized with my first two rotations with the web development

team. While my software development team helped me build on my independent communication skills when I don't have daily meetings to lean on. It helped me learn to be a more responsible and independent team member

I have several motivations for my senior design project. One of my motivations is to be able to display the culmination of all the skills I've acquired. I'm excited to work with my team because they're people that I've worked with through several classes and have built a chemistry with. I want to be able to show off to all the professors that have helped me throughout the years. I also am motivated to create a final piece to top off my resume with a project that I manage and drive to completion with just me and a small team.

I am excited for this project because I will be able to create an application of my choice from scratch. This project gives me complete creative freedom to really explore and add only the features I find necessary without needing to hit some kind of rubric. It will allow me to really deep dive into the application design process. I expect to have a solid application prototype that reaches the base functionality we're looking for. I will know if I've done a good job if our application has all the basic requirements we set out for it to have, and the UI is acceptable and professional looking.