

COMPETENCY ASSESSMENT EXERCISE

Michigan Engineering Competency	My Current Level of Proficiency (place an "X" in the box you select)			Why did I select this proficiency level?	What will I do to further develop in this area?
	Developing	Proficient	Exemplary		
Communication	X			Through my past work and club experiences, I have practice communicating with others across different circumstances. However, I believe that I can further develop these skills because oftentimes, there are more effective ways of communicating than the one I chose.	I can continue to develop professionally and socially. I think gaining experience in this area requires having a very close team that you communicate to constantly, so that you can learn to adjust and optimize the method of communication.
Creativity	X			I have not had a specific instance where I can directly contribute my creativity to. Creativity is one of those skills that go unnoticed, because it is difficult to discern between when someone is being creative and when someone is not.	I need to work on something that is on the border of the known and the unknown, the done and the undone, where knowledge and art thrives the most. I think projects, whether with a team or individually, are great for cultivating a creative mind.
Empathy	X			Empathy is also difficult to measure. I have found that I gained a lot of "empathetic" experience through talking to other individuals about their life philosophy: what they believe in, what they want to do, how they think they can get the most out of life.	Further development in this area requires meeting more people. I plan to do this through clubs, classes, and virtual events. I think college is the perfect time to get a range of perspectives, ideas, and beliefs so that I can understand mine.

Entrepreneurial Mindset	X			The only entrepreneurial experience I have had was through Michigan Business Challenge. We moved on to round 2 before getting cut. I think it was a good experience, but I would have loved it if I could have contributed more to the idea.	There are many organizations and competitions I could join, such as OptiMize, Michigan Business Challenge, etc. The best way though, in my opinion, is to reach out to people who have crazy and amazing ideas, so that you eventually have one of your own.
Ethics	X			This area is also difficult to measure. Ethics is not really something someone has; it must be practiced. One needs to habitually incorporate good ethics in their lives. For me, ethics and earnestness are things that I am trying to incorporate in my life.	To practice good ethics, one must be aware and cognizant of one's actions and how they violate one's ethical standards. I plan to act with integrity, honor, and candor to promote an environment where veracity is upheld wherever I go.
Global/Cultural Awareness	X			I do pay attention to global and cultural issues. I disagree with a lot of things that are happening right now. And perhaps the best way to keep growing in this area is to keep paying attention to the things around you.	I plan to read the news more and take everything I read with a grain of salt and discern between facts and opinions. I plan to be more independent and unbiased in my search for truth.
Grit/Resilience/Persistence		X		Grit is one of those things that is hard to measure. I like to think I have decent grit; I rarely back down from a challenge I want to take on (like building this website), I dedicate and immerse myself fully into the things I love, and I do things to strengthen my willpower.	I want to slowly change my current habits. I want to rear towards more daunting challenges in my life and practice the grit to stick by them and see where life can take me. For example, I want to dedicate more of my time to piano and training for the Iron Man.

Leadership	X			I have had leadership experiences in the past, but when I look at other individuals that I aspire to be, I understand that I have a long way to go before becoming a leader. I want to be able to lead silently and with firm and mature presence.	To become a leader, one must practice leading. I plan to practice leading in clubs, so that I can lead others in life. Through talking to others, I want to practice motivating and moving individuals to change their lives.
Lifelong Learning		X		I am a big advocate of lifelong learning. A growth mindset is beautiful and when embraced, truly terrifying the pace in which one can improve. I am the most excited about the initial challenge in learning something new. I incorporate this area into my life constantly, from the Ten-Year Project to learning new skills.	I need to practice good habits and change a few ways I do things daily. I want to incorporate the skills I want to develop so I utilize the power of marginal improvement. With a consistent habit, one can achieve many goals, and I plan to slowly turn my habits more goal driven.
Risk Management	X			In the past, I have not had great tremendous failures that I had to overcome. Lately, I have tried more and more to embrace my failures and improve on my shortcomings. However, failures and uncertainty still sway my mind and I can grow more resilient to failure.	To become more thoughtful about taking risks and more resilient against failures, one must encounter more instances in which the individual is challenged in making decisions. I plan to improve on this area through projects, project teams, and classwork.
Systems Thinking		X		In my past work experiences, I have had to use both far-sight and near-sight, both in the big picture and in the granular, to view the problem. I have learned the methods in which problems can be broken down into manageable parts.	I can improve on this area through encountering different problems than the ones I face now. Life is all about facing brick walls and certain obstacles, while learning how to overcome them with an underlining philosophy that one holds true.

Teamwork	X			I am a person who prefers to work individually. In the past, I have not had great experiences working in teams. However, I understand that a good team spirit is necessary to achieve the utmost excellence.	I am trying to improve in this area by joining teams such as Solar Car or MDP. I need to experience a period of time in which I need to collaborate and work with others, especially with overcoming difficulties that arise from working in groups.
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Focus Area Plan & Capstone

I plan to have my focus area be in either design, entrepreneurship, or research. I am getting involved in Multidisciplinary Design Program next year so that I can be involved in a project concerning design and/or research. I plan to do a concentration in pharmaceutical sciences offered by the Chemical Engineering Department so that I have more background in either research, design, or entrepreneurship. I am also interested in entrepreneurship with regards to the biotech field, preferably with a biomedical product.

SMART Goals

1. Starting in 2021, I will practice meditation for 20 minutes every day when I wake up.
2. Every day, I will practice the piano for 20 minutes to an hour.
3. Before I go to bed every night, I will read a book while stretching for 20 minutes.