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ENGR-E 299

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E299 – Career Planning

From since I was old enough to press buttons, I have been infatuated with technology. My desire to learn more about technology has only increased since then, and as a kid I frequently spent time taking things apart and trying to fix them and/or learn more about them. Continuing to learn more and tinker with different technologies is something that I am looking forward to. I am extremely excited to continue my undergraduate career as an Intelligent Systems Engineer and become a leader in Cyber-Physical Systems.

Short-Term Goals (1-3 Years):

- Secure an internship position related to my academic studies as well as my interests.
- Continue to develop career skills through my engineering courses.

By achieving these goals, I will be able to set myself up for success moving into the completion of my undergraduate degree and beginning of my master's degree program.

Long-Term Goals (5-10 years):

- Secure a full-time job position in the realm of software engineering, cybersecurity, security research, semiconductor design, or another related position.
- Be a lifelong learner, continue to work on personal projects that will challenge me and help me to improve my skills and be a more effective engineer.

These goals will help me to secure a future for myself, and also make sure that I continue to evolve as an engineer outside of the classroom.

Skills and Competencies:

- Advanced Programming
 - o Python, Java, C
 - Having programming knowledge is essential to being an engineer in the world of technology. I plan to continue to exercise these skills and build them to be a more effective engineer.
- Leadership
 - o Leadership is a very important skill for me. Being a leader has allowed me to improve.
- Time Management
 - o Being able to manage your time is one of the most important skills to have in order to be successful. I am currently juggling many classes, jobs, extracurriculars, and other positions and it has helped me immensely to stay organized and manage my time.
- Open-Mindedness
 - o Failure is part of the success process. I am fully aware that I am going to fail – many times. I am okay with this, and I am open to see what the future has to hold – as no one can predict it. Technology and engineering are constantly evolving, and I need to be here for it.

Action Plan:

1. Complete bachelor's degree in Intelligent Systems Engineering
 - Timeline: May 2027
 - Maintain a high GPA.
2. Secure an internship.
 - Within the next 1-2 years
 - Keep resume and LinkedIn up to date.
 - Go to career fairs.
 - Apply to internships.
3. Develop Technical Skills
 - Participate in projects.
 - Take advanced courses.
 - Build a portfolio.

In conclusion, ensuring that I have a structured and clear career development plan for myself is extremely important to ensure that I achieve both my short and long terms goals as an engineer. By setting specific objectives that can be measured, I am able to be sure that I stay on track to reach these goals.

This plan will guide me through my years as an undergrad, graduate, and later on in my career. I will enhance my skills and overall will be a more effective engineer. I believe that I am and will be well-prepared for the future challenges that await and for new opportunities to grow as an engineer and make meaningful contributions to society.