Hello world!

I’m Jean Severe. I’m majoring in Information Science and Technology, based out of Pittsburgh, PA. The discipline I’m most invested in is Computer Science.

Algorithm development, logic, runtime, resource optimization, etc. are all important parts of working software, from low level firmware in embedded systems to power hungry Generative AI meant to replicate the movements of a running football player, bouncing shoelaces and all. The goal is to write software and design the underlying systems to deliver optimal software performance. In an era where millions may access the same content simultaneously, this becomes increasingly important, as resources are A. finite, B. cost money.

It was difficult for me to pick one discipline, as my experiences in tech have allowed me to work in multiple disciplines. Computer science most closely aligns with my current job as a Site Reliability Engineer (SRE). All the best SREs I’ve met are former software engineers who focus on algorithms and data structures, but also possess deep knowledge of system design, hardware engineering, cloud architecture, etc. SRE is a term first coined by Google in 2003 to describe a need for application development and systems administration to be working more closely together to address the need for reliable, scalable applications and distributed systems with high availability in the future. They even wrote a few books book about it.

Current technical strengths center mostly around the tools I use at work, examples including Amazon Web Services (cloud infrastructure), Terraform (infrastructure as Code aka IaC) and Git (version control).

Technical weaknesses are spreadsheets. I can stumble my way through excel but haven’t needed to be competent with it in a while. I should probably work on that…

Some of my hobbies include building and flying freestyle/racing drones, gaming, and traveling. I also enjoy a good game of chess.

Resources:

1. Michigan Technological University, MTU (2024), What is Computer Science? | [www.mtu.edu](http://www.mtu.edu). <https://www.mtu.edu/cs/what/>
2. Google, Alphabet Group (2024), Google Site Reliability Engineering: SRE books | [www.sre.google.com](http://www.sre.google.com). <https://sre.google/books/>
3. Amazon, AWS (2024). What is Site Reliability Engineering (SRE)? | aws.amazon.com. <https://aws.amazon.com/what-is/sre/>