Worked on three primary goals during the summer:

* Work and Complete Various Projects of Different Backgrounds
  + Develop talent for myself and others
    - DST’s 6 guiding principles
  + Expand skillset
    - Become accustomed to new practices and skills
    - Important
  + Make a difference
    - Work on projects that have real world applications
* Work on at least 1-2 projects with another team member
  + Enhance communication and collaboration
    - Important DST guiding principle
  + Learn to work on teams
    - Get opportunities to work on teams with various skillsets and technological backgrounds
  + Expand Networking
    - Important in a professional world
* Learn at least 6 new technologies or skills
  + Develop talent for myself and others
    - DST guiding prinicple
  + Expand skillset
    - Become accustomed to new practices that are above what we do in school and personal projects
  + Learn more about myself and Argus
    - Understand what technologies and backgrounds Argus is in
    - Technologies used reflects what a company does so that is important

Projects and Work

* Web Services
  + Utilized SoapUI INterface
  + Soap UI is an [open-source](https://en.wikipedia.org/wiki/Open-source_software) web service testing application
  + Write soap requests for various applications
  + Example: if a client was using an application they would need to input data in a request form in xml and the response would be outputted if web service is running correctly
  + Create requests and responses to make a test suite of all the applications in 6 different environments
  + Backend application
    - If a client wants to input data the web service is the back end application that makes sure the process is running well
  + Write soap requests that are used to create a test suite to make sure web services are running well.
  + Runs every five minutes and if a test fails, it is easy to diagnose if there is a problem with that web service
  + Originally developed in PROD AND BETA, and now it is in UAT
* Experience
  + Never really worked on anything like this before
  + So gained a new important skill
  + Understood the importance of how this project applies to what we did and all the backend work involved with it

WAS Info Tool

* Website used by software engineers
* This website contains a lot of important information about applications that they refer to
* There was an old version of this tool that was developed 7 years ago, and it never got updated, and it no longer has relevant information that the current software engineers need
* I was assigned the task to update it, realized that the box that contained the website was incompatible so in the long run it was better to just create a new website on a new home
* So practically started a new application of full scale development from design to deployment
* Lots of learning
  + Had experience with programming but learned new skills for deployment:
  + WebSphere to host the web application
  + Java Servlets/JSPs
  + Servers and hosts
* Develop talent
* Communication and collaboration
  + Wouldn’t been able to do it without members on the team
  + A lot of people on the team from Unix, Adminstration, Software developers helped and gave advice

Learning

* Expanded Skillset
  + Developed a better understanding of web services.
    - In school you mainly deal with programming and application development. But rarely web services. So that was a good experience learning about it.
  + Developed better understanding of deployment
    - Again in school you develop the project but never get exposed or understand what goes on in the backend for deployment. So it was good understanding that.
* Working as a team
  + Learn to collaborate and communicate with other team members
    - Doesn’t do much of this in school so working with people of higher technical backgrounds is a good experience in working as a team.
  + Asking questions
    - I couldn’t get what I got done without the hlp of team members
    - When approach a road block-consult your team members
    - Makes a team become more successful when filling in the gaps
* Challenges
  + Dealing in various situations
    - Particularly situations I haven’t dealt with before offered challenges that made me a better accusmoted to dealing with them in the future
    - Different challenges when approaching situations
      * It wasn’t smooth sailing the entire time. I encountered problems
      * Story:
        + Parse the CSV data for the WAS Info tool and store it in an array or a map
        + Thought about different approaches
        + Since a website I thought javascript would be useful but it wasn’t god in the long run
        + Thought about python, which I did successfully but their were problems on the server side with Django, which is the web framework
        + Recommended to use java servelet and that was successful. Took me three days to find the right solution to the problem