What we will cover

01. What is Supercomputing
02. Internship Experience
03. Supercomputing in our Futures
04. Importance of HPC
What is Supercomputing
Parallel Processing
Applications of Supercomputing

- Climate and Weather
- Space Research
- Military and Defense
- Online Gaming
Cloud Support Engineer Intern @ AWS
AWS HPC Services

- EC2
- Elastic Fabric Adaptor
- AWS ParallelCluster
- AWS Batch
- Amazon FSx for Lustre
- NICE DCV
EC2 - Elastic Cloud Compute

- Host WordPress Blog
- Load Balance
- Troubleshoot the environment
- Configure security groups
Supercomputing in our Futures
Importance of HPC

- Low Cost
- Innovation
- High Speed
- Opportunity
Time is money
Area of Innovation

- Health Care
- Urban Planning
- Engineering
- Finance & Business
Quadrillions Calculations / Second

VS.

3 Billion Calculations / Second
Opportunities

★ Expand the skill set
★ Hands-on experience
★ Additional research opportunities
★ Interaction with the cutting edge technology
Thanks!