

STEPHANIE BRINK

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FUN FACT

+ I grew up playing volleyball, and so I've enjoyed playing onsite with others in the volleyball networking group. I was looking to try something new and joined the dragon boat racing networking group. It feels very collegial to have all these different interest groups available to us.

CLEARING BOTTLENECKS IN CRITICAL COMPUTATIONS

I am a computer scientist in the Center for Applied Scientific Computing. My everyday research work focuses primarily on performance analysis. When we run a big application across a large supercomputer like Sierra with thousands of nodes, my research helps us understand what aspect of the code is consuming the most amount of time. I develop tools for our application developers to study the performance of their applications and understand where the bottlenecks are. That way, they're able to target their development efforts and improve those bottlenecks.

"IT WAS DURING MY INTERNSHIP AT LIVERMORE WHEN THINGS JUST STARTED TO CLICK."

LLNL plays a vital role in national security research and development. Supporting this mission, Livermore Computing is home to a pinnacle infrastructure that supports the massive simulations performed on LLNL's world-class high performance computing resources.

The Center for Applied Scientific Computing (CASC) works on software tools and structures that help scientists and researchers produce, organize, and analyze sophisticated data. With the advanced technologies that CASC brings to bear on critical national security problems, the Laboratory can accomplish transformational research in mathematics, computer science, and data science.

Members of the CASC team address problems in the weapons program, cyber and energy security, and knowledge discovery for intelligence applications that require the power of high performance computers and the most advanced computational methods.