SPEC Socket Programming
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The student will work on network socket communication with SPEC X-ray diffraction and data acquisition software. SPEC is used For equipment control at CHESS beamlines, and other networked computers must be able to interface with the host running the SPEC control software. Some programming experience would be helpful, and good communication skills are essential for dialoguing with both beamline scientists and computing specialists. The student should be able to understand the SPEC documentation and translate it into practice, write sample applications in languages such as C and Java, and help to integrate SPEC socket programming into existing experimental control software.