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B.S Fisk University 2007
Major: Computer Science and Business
Administration

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Research Area: Computational Science and Mathematics

The project aims to express how the Advanced Computing Research Testbeds (ACRT) group at ORNL plays a critical role in testing and evaluating new computing hardware and software for the Department of Energy (DOE). Among other evaluation procedures, ACRT is currently evaluating the performance of the IBM BlueGene (BG/L) at Argonne National Lab (ANL). The BG/L system is designed to achieve high performance for low cost and with low power consumption.

Specific subtask:

1. Develop a web site describing the various ACRT evaluation processes
2. Collect performance results using a database management system
3. Develop server-side scripts to retrieve composed data and generate a graphical image to all web clients
4. Test BG/L components and compare capabilities to the ORNL Cray platforms

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