

My Insanely Great Paper Prospectus

Geordi LaForge

1 Option 1: In-Depth Study

For my operating systems research paper, I would like to do an in-depth study on the high-capacity nonvolatile storage system in Lt. Cmdr. Data's android brain. This brain has a maximum capacity of 4 gigaquads, yet is no larger than an average human head and requires modest power. The paper will discuss the basic concepts of positronic neural storage and the implementation details of the neural network file system, which serves as the brain's primary logical abstraction. Sample code that illustrates programmatic access to the brain's neural files will also be provided.

2 Option 2: Research Report

For my operating systems research paper, I would like to write a research report on integrating Borg hive-mind processes into existing starship operating systems. Unlike conventional starship processes, Borg hive-mind processes organize tasks into lightweight, fine-grained units that facilitate precise focus while enabling a great degree of collective inter-process communication. When clustered into high-level unimatrices, hive-mind processes provide a great degree of efficiency and autonomy, freeing the overall system from time-consuming micro-management tasks. The paper will examine the origins of Borg technology and review prior attempts to replicate Borg collective behavior, as well as report on current implementations and results.