

Sample Term Paper Topics/Topic Areas

As a result of questions on term paper topics, I have provided a list of some that have been provided in past. Your term paper study area should be one in which you are very interested and want to know more about. The paper can be in survey form or very specific and concentrate in one area of Computer Architecture. It should extend your knowledge and better prepare you as a Computer Scientist.

- **Green Design in Computer System Architecture**
- **HOW TRENDS IN COMPUTING AFFECTED THE ARCHITECTURE IN NVIDIA GRAPHICS CARDS**
- **CISC vs. RISC, a detailed comparison**
- **The relationship between Computer Architecture logical design and computer system efficiency**
- **FUNCTIONAL SAFETY ARCHITECTURE FOR AUTONOMOUS DRIVING SPECIFICALLY FOR CARS & ITS IMPLEMENTATION**
- **An Overview of VLIW and Superscalar**
- **The Rise of Non-Von Neumann Machines**
- **Optimizing for Operation in Power Constrained Environments**
- **Analysis of design vulnerabilities in computer architecture:**
- **An Overview of Using GPUs for Deep Learning**
- **A High-level Overview of Existing Quantum Computing Architectures**
- **Optical Computer Architectures**
- **Design review of DDR5: An overview and architectural progress of SDRAM**
- **Exploring GPU Architecture and the Benefits of NVIDIA CUDA Cores**
- **CPU Cache Side-Channel Attacks**
- **Heterogeneous Computer Architecture**
- **Molecular Memristors**
- **Game Engine Architecture**
- **A survey of CPU, GPU and FPGA in heterogeneous computing**