Introduction – Modular C for System Development

- Motivation For My Research
- Work
Overview

- Give you an intuitive feel for the problem.
- Give you an intuitive feel for my idea to fix the problem.
- Make you foam at the mouth with eagerness to read my paper.
Example – Mainframe Storage Device

**Hardware Components**

- FICON HBA
- Processor
- Data Storage

**Software Components**

- FICON Interface
- Command Processor
- Storage Interface
Example – Focus on FICON Interface

- Fibre Channel Layer
- Hardware Interface
- SB Layer
- Command Processor Interface
Example – Continued
A Better Approach

- Hardware Interface
- Fibre Channel Layer
- SB Layer
A Better Approach
The Slide To Remember (a.k.a My Key Idea)
Related Work

- CMod – A tool written to enforce a modular programming style in the C programming language
  - Saurabh Srivastava, Michael Hicks, and Jeffrey S. Foster
- Modular C – How to Write Reusable and Maintainable Code using the C Language
  - Robert Strandh
- An Approach to Modular Programming In C
  - Sergio A. Velastin
The Next Step

- Modify the CMOD project to follow my rules of modularity.
The Slide To Remember (a.k.a My Key Idea)
Modular C For System Development

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