ECE 4304 Group A

Yuta Akiya

Kyle Le

Megan Luong

Prof. Aly

Project Contributions

Presentation, poster, and report work was split evenly.

**Yuta Akiya ( 40% )**

* SHA-3 Algorithm/Keccak permutation research
* SHA-3 module implementation/testing
* Keccak permutations module implementation/testing
* VGA Module implementation/testing
* Hex character sprite generation module for VGA display

**Kyle Le ( 40% )**

* SHA-3 Algorithm/Keccak permutation integration in VHDL
* SHA-3 module implementation/testing
* Keccak permutations module implementation/testing
* VGA Module implementation/testing
* MicroBlaze integration with UART using Custom IP / C++ / AXI
* Combined all components into final design

**Megan Luong ( 20% )**

* SHA-3 Padding research
* SHA-3 Padding module implementation/testing
* SHA-3 Padding testbenching