Senior Project Ideas

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Design a app to find a spot on campus with good wifi reception.

1. Collect quality measures (throughput, latency, signal strength, whatever) from device
2. Share with others via central database
3. Present campus map of areas with good (poor) wifi
4. Use GPS to find the nearest spot
FIT History App

Some team might like history.

1. Collect historical facts, pictures about FIT
2. Build an app with a campus tour with map and time-line
3. Puzzles, games
Some team might be interested in computer tools for programming education. Various aspects of evaluating large number of student projects could be addressed.

1. Handling/processing
2. Feedback and development assistance
3. Static analysis for quality and correctness
4. Analysis of dynamic behavior to find the source of bugs
A Container For Compiler Development

Some team might be interested in building software containers. There is need for a portable environment for the development of compilers. A compiler is often developed on a computer platform that has a different architecture than the target of the compiler.

- QEMU emulator for various computer architectures MIPS, SPARC, ARM
- Standard development tools: make, C, the C library, Java, gas, gld, gdb