Project Proposal

1) Implement (some of) the data-flow analyses:
   - E.g., initialized variables, sign analysis, constant propagation, reaching definitions, live variables, available expressions, very busy expressions, ...
   - Analysing a (subset of a) source language:
     (e.g., Java, C#, ...)

2) Optimize programs based on analysis info

3) Measure/Quantify effect gained
   - E.g., speed, space, safety, ...

(You may program it in whichever language you like.)