

CS6463 Project Plan

your name here

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1 Problem Statement

I will work on building a tool that automatically discover potential null pointer dereference bugs in C programs.

2 Technical Approach

To finish the project, I will develop an inter-procedural pointer analysis algorithm. The algorithm will use the type and effect approach and will...

3 Infrastructure Development

I will use the ... infrastructure to parse my input code in C. I will use the ... within the infrastructure to support my pointer analysis algorithm implementation ...

4 Evaluation

I will evaluate my project using three C programs that I will write to test the correctness of the project. I will evaluate the effectiveness of the algorithm by ...