

Weekly Progress Report - 7

Section 1: Implementation/development progress

This week we had a group meeting on Sunday, May/9/2021 where Fan Zhang demonstrated how to use the code sensor for converting c and c++ code to a vector format usable by deep learning algorithms. The meeting section was very interactive as we have gone through how to compile the program and run Code Sensor via java.

Section 2: Issues and Challenges

Unfortunately, I was unable to run Code Sensor on my machine during the meeting session due to the missing dependencies and operating system compatibility issues. I will set up another meeting with Sun Siqi next Monday to work out any issues with using Code Sensor.

Section 3: Implementation Goals

My goal before the client meeting this week is to get Code Sensor running so Siqi and I could present our vectorized data set. After getting Code Sensor working we will be collecting vulnerability data from NVD, CVE, and the research paper "A Performance Evaluation of Deep-learned Features for Software Vulnerability Detection." Siqi and I will also be working on producing a Gannett chart for planning our development and setting milestones.