

Semantic Matcher

Bug reports

Source code

submit

encode words

encode AST

expand
methods

Bug report
embeddings

Multi-layer perceptron

Method
embeddings

Method
relations

compute cosine similarity

Learner

Revision Analyzer

return

Ranked
bug locations

Bug localization
DNN

Matching
score

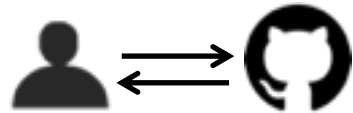
Bug fixing
recency score

Bug fixing
frequency score

Collaborative
filtering score

Features

cfsExpand



Programmer Github plugin

