

Project Title

Given Name Surname
dept. name of organization (of Aff.)
name of organization (of Aff.)
City, Country
email address or ORCID

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Abstract—
Index Terms—

I. INTRODUCTION

A. Problem statement

[[What is the problem statement that you plan to solve?]]

B. Motivation

[[Why should anyone care about solving that problem?]]

C. Relation with software engineering research

[[How is the problem related to software engineering research? What is already known about that problem space and what is still unknown that you are interested in solving?]]

D. Key Insight or Idea

[[What is the high-level approach that you would like to explore to solve the problem? Why you feel you can succeed with that approach in 5 weeks?]]

E. Assumptions

[[What kind of assumptions will you need to make for your choice of solution?]]

F. Research questions

[[What research question(s) will you answer?]]

G. Evaluation Dataset

[[What kind of dataset will you evaluate your solution on? Where and how will you get that dataset?]]

H. Evaluation metrics

[[How will you know that you have solved the problem successfully? In other words, how will you evaluate your solution?]]

II. BACKGROUND AND MOTIVATION

III. RELATED WORK

[[R2Fix [1] and iFixR [2], use information retrieval-based fault localization (IRFL) that ranks suspicious program statements based on their similarity with bug reports.]]

IV. APPROACH

V. EVALUATION

A. Dataset

B. Metrics

C. Experiment Procedure

D. Results

VI. DISCUSSION AND THREATS TO VALIDITY

VII. CONTRIBUTIONS

REFERENCES

- [1] C. Liu, J. Yang, L. Tan, and M. Hafiz, "R2Fix: Automatically generating bug fixes from bug reports," in *IEEE International Conference on Software Testing, Verification and Validation*, 2013, pp. 282–291.
- [2] A. Koyuncu, K. Liu, T. F. Bissyandé, D. Kim, M. Monperrus, J. Klein, and Y. L. Traon, "iFixR: bug report driven program repair," in *27th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE)*, 2019, p. 314–325.