

Imperial College London

MENG INDIVIDUAL PROJECT:
INTERIM REPORT

IMPERIAL COLLEGE LONDON

DEPARTMENT OF COMPUTING

Automated Parser Combinator Linting and Refactoring Tools

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Chapter 1

Introduction

Hello [\[1\]](#) Hello again [\[2\]](#)

1.1 Objectives

1.2 Challenges

1.3 Contributions

Chapter 2

Background

Chapter 3

PROJECT X

Chapter 4

Evaluation

Chapter 5

Conclusion

Appendix A

First Appendix

Bibliography

- [1] Willis J, Wu N. Design patterns for parser combinators in scala. In: Proceedings of the Scala Symposium. Scala '22. ACM; 2022. Available from: <http://dx.doi.org/10.1145/3550198.3550427>.
- [2] Baqais AAB, Alshayeb M. Automatic software refactoring: a systematic literature review. Software Quality Journal. 2019 Dec;28(2):459-502. Available from: <http://dx.doi.org/10.1007/s11219-019-09477-y>.