Contents

1	Intro	oduction
	1.1	Motivation
	1.2	Related Work
		1.2.1 NER systems
		1.2.2 NER techniques
2 Named Entity Data		
	2.1	BIO scheme
	2.2	Named entities distribution
3	CRF	
_	3.1	Overview
	3.2	Algorithms for CRF
	3.3	CRF toolkits. MaRMoT
	0.0	
4	Feat	ure Description
	4.1	Word-level features
	4.2	Cluster features
	4.3	List lookup features
		4.3.1 Wikipedia
5 Experiments		eriments
	5.1	Evaluation metrics
	5.2	Word-level features results
	5.3	External features results
	5.4	Modifying the BIO schema
	5.5	Optimization
	5.6	Error analysis
6	6 Conclusion and Future Work	
7	Atta	chment
Bibliography		
List of Figures		
List of Tables		