Ryan Baker

January 15, 2025

Contents

1	Introduction to Templates	2
2	Function Templates 2.1 Implicit Template Deduction	2 2
	2.2 Template Function Overloading	2
	2.3 Function Template Specialization	
3	Class Templates	2
	3.1 Class Template Instantiation	2
	3.2 Class Template Specialization	
4	Non-Type Template Parameters	2
5	Variadic Templates	2

- 1 Introduction to Templates
- 2 Function Templates
- 2.1 Implicit Template Deduction
- 2.2 Template Function Overloading
- 2.3 Function Template Specialization
- 3 Class Templates
- 3.1 Class Template Instantiation
- 3.2 Class Template Specialization
- 4 Non-Type Template Parameters
- 5 Variadic Templates