

# A Gentle Introduction to Relational Quine Generation



# **A Gentle Introduction to Relational Quine Generation**

Solving McCarthy's Challenge in miniKanren

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For my H211 students:  
Indiana University, Fall 2010 & 2011, and Team pw0ni3.

*Learning with always trumps learning from.*

—Woodie Flowers



# Contents

<b>Preface</b>	<b>ix</b>
<b>1 Introduction</b>	<b>1</b>
<b>2 Just Enough Scheme</b>	<b>3</b>
<b>3 Just Enough miniKanren</b>	<b>5</b>
<b>4 Lexical Scope</b>	<b>7</b>
<b>5 Environments</b>	<b>9</b>
<b>6 A Simple Environment-passing Interpreter</b>	<b>11</b>
<b>7 Adding Quote and List</b>	<b>13</b>
<b>8 I Love You</b>	<b>15</b>
<b>9 It's Quine Time!</b>	<b>17</b>





# Preface



# Chapter 1

## Introduction



## Chapter 2

# Just Enough Scheme



## Chapter 3

# Just Enough miniKanren





## Chapter 4

# Lexical Scope



## Chapter 5

# Environments



## Chapter 6

# A Simple Environment-passing Interpreter



## Chapter 7

# Adding Quote and List





## Chapter 8

# I Love You



## Chapter 9

# It's Quine Time!



# Bibliography