

Finding Adam
Advancing Commonsense Reasoning as a
Potential Step towards
Artificial General Superintelligence

A Doctoral Thesis

Abhinav Madahar ◦ अभिनव भट्टरा
Department of Computer Science
University of TBD

abhinavmadahar@tbd.edu

Contents

Land Acknowledgement	4
Chapter I. Introduction	5
Chapter II. History	7
1. The History of Progress	7
2. The History of Conceptualizations of Change and Progress	7
3. The History of Decelerationism	7
4. The History of Scientific Research and Progress in Artificial Intelligence	7
5. The History of Conceptualizations of Artificial Intelligence	7
Chapter III. What Are Intelligence and Consciousness?	9
1. What Is Intelligence?	9
2. What Is Consciousness?	9
3. What Is the Relationship between Language and Intelligence?	9
4. What Is the Relationship between Intelligence and Consciousness?	9
5. Is There a Qualitative or Merely a Quantitative Difference between Artificial General Intelligence and Artificial General Superintelligence?	9
Chapter IV. Advancing Commonsense Reasoning	11
Chapter V. How Advancing Commonsense Reasoning Can Achieve Artificial General Superintelligence	13
Chapter VI. Ethical Matters	15
1. Ethical Downsides	15
2. Ethical Upsides	15
3. Effective Accelerationism	15
4. Alignment	15
5. Protecting an Artificial Consciousness	15
Chapter VII. Conclusion	17

The UCLA community acknowledges our presence on the traditional, ancestral, and unceded territory of the Gabrielino/Tongva peoples. As a land grant institution, we pay our respects to the Honuukvetam (Ancestors), 'Ahihirom (Elders), and 'Eyoohiinkem (our relatives/relations) past, present, and emerging.

The author of this work wanted to communicate this land acknowledgement in the Tongva language, but to his dismay this tongue has been lost to history. He wishes that, to the extent possible, that the Tongva retain an identity and sense of place despite this.

CHAPTER I

Introduction

CHAPTER II

History

1. The History of Progress
2. The History of Conceptualizations of Change and Progress
3. The History of Decelerationism
4. The History of Scientific Research and Progress in
Artificial Intelligence
5. The History of Conceptualizations of Artificial Intelligence

CHAPTER III

What Are Intelligence and Consciousness?

1. What Is Intelligence?
2. What Is Consciousness?
3. What Is the Relationship between Language and Intelligence?
4. What Is the Relationship between Intelligence and Consciousness?
5. Is There a Qualitative or Merely a Quantitative Difference between Artificial General Intelligence and Artificial General Superintelligence?

CHAPTER IV

Advancing Commonsense Reasoning

CHAPTER V

How Advancing Commonsense Reasoning Can Achieve Artificial General Superintelligence

CHAPTER VI

Ethical Matters

1. Ethical Downsides
2. Ethical Upsides
3. Effective Accelerationism
4. Alignment
5. Protecting an Artificial Consciousness

CHAPTER VII

Conclusion