Metaprogramming for Contract Algorithms

Summer 2022

-Details-

To develop a framework for compiling programs of contracts algorithms with branching and looping logic in **Objective** order to formally compose real-time intelligent systems Mason Nakamura Intern **Advisor** Stuart Russell Justin Svegliato Mentor Wednesday 2PM - 2:45PM Meetings Zoom 271 123 1234 Slack #mca **Github** https://github.com/justinsvegliato/metaprogramming-for-contract-algorithms https://www.overleaf.com/project/620d22339797097a9a96eed8 Overleaf

-Schedule-

Week	Due	Reading	Tasks	Deliverables
1	6/8	[Zilberstein, 1996] [Zilberstein and Russell, 1996] [Zilberstein, 1993] • Chapter 5.6.1 [Grass and Zilberstein, 1996] [Svegliato et al., 2020] [Bhatia et al., 2022]		Formal DefinitionsFormal Optimization ProblemFormal Algorithm
2	6/15	_	_	_
3	6/22	_	_	_
4	6/29	_		
5	7/6			
6	7/13	_	_	_
7	7/20	-		
8	7/27	_	_	_
9	8/3	_	_	_
11	8/10	_	_	_
12	8/17	_	_	_
13	8/24	_		—

^{*} Each deliverable should be completed by the date posted in the schedule.

^{*} This document is subject to change during each week of the internship.