### First Committee Meeting Progress Report

Jason Balaci

McMaster University

Oct. 21st, 2021

- Introduction
- 2 Project
  - Drasil
  - Goal #1: Typed Expression Language
  - Goal #2: Model Discrimination "ModelKinds"
- References

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• I am Jason Balaci



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- Graduate of *McMaster University*, holding...



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  - Hons. Actuarial and Financial Mathematics (B.Sc.)



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  - Minor in Computer Science



- I am Jason Balaci
- Graduate of McMaster University, holding...
  - Hons. Actuarial and Financial Mathematics (B.Sc.)
  - Minor in Computer Science
- Currently pursuing a thesis-based Master's of Computer Science (M.Sc) at McMaster University, under the supervision of Dr. Jacques Carette



Course-related progression

• I'm required to complete:

- I'm required to complete:
  - One (1) "Software" course

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  - Either:

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  - One (1) "Software" course
  - Either:
    - Two "Theory" courses, and one "Systems" course
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- l've completed:

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  - One (1) "Software" course
  - Either:
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    - One "Theory" course, and two "Systems" courses
- I've completed:
  - CAS 701 "Logic & Discrete Mathematics" Theory course
  - CAS 761 "Generative Programming" Software course
  - CAS 763 "Certified Programming with Dependent Types" Theory & Software course
  - COMPSCI 6TB3 "Syntax-Based Tools and Compilers" Systems course

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#### References

 Carette, Jacques, Oleg Kiselyov, and Chung-chieh Shan. "Finally tagless, partially evaluated: Tagless staged interpreters for simpler typed languages." *Journal of Functional Programming* 19.5 (2009): 509.