DAVID LAPRADE

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Skills

- Working knowledge of BASIC, C, Ruby, Rails
- Statistical analysis of large data sets (whole-genomes, microarrays) with 100+ thousand values
- Fluency in Propositional Modal Logics K, D, T, S4, S5, in Constant and Varying Domain Models for Quantified Modal Logics, Second-order, First-Order, and Propositional Languages; Tableaus, Axiom Systems, the meta-theoretic results for each, and Model Theory

Education

Startup Institute

- Web Development Immersive | Summer '14 | www.startupinstitute.com
- Studied Ruby, Rails, Git, Heroku

Tufts University

- MA in Philosophy | Specialization: Logic | Exp. Graduation Fall '14 | GPA 3.94/4.00
- Studied Model Theory, Computation Theory, Axiom Systems, Natural Language Semantics

Providence College

- BS in Biology | Grad. Spring '11 | Philosophy Minor | *Summa cum Laude* | GPA 3.93/4.00 | Full Tuition Scholarship

Work Experience

Tufts University - http://ase.tufts.edu/philosophy/graduate/grads.asp *Jan'13 to Jun '14*

Graduate Teaching Assistant (Logic)

- Modeled natural language semantics, esp. quantifier-expressions and presupposition failure
- Quantifier-expressions (e.g. "there is/are", "all", "some")
    - Result: Tarskian semantics can be used to model both commital quantifier expressions, as in "There is a chair in the room", as well as non-commital ones, e.g. "There is a right to bear arms"
- Presupposition failure (e.g. "The authors of Harry Potter are English")
    - Result: definite descriptions cannot be handled by the standard model of how presupposition failure effects information content; that model is at best incomplete

New England Institute of Technology - www.neit.edu *Aug '12 to Jun '14*

- Professional Tutor – Math and Science Lab, Academic Skills Center
    - Tutor Anatomy, Physiology, Microbiology, Chemistry, Dosage Calculation
    - Taught/developed NCLEX Prep Course for graduate nursing students
    - Developed one semester Propositional Logic Course
    - Developed two semester Medical Terminology Course

Austriaco Laboratory - www.austriacolab.com *Jan '09 to Aug '12*

Research Technician

- Analyzed data sets containing 100+ thousand data points to pinpoint statistically significant patterns of gene expression
- 5 presentations at professional meetings; 2 publications in peer-reviewed journals

Selected Coursework

- Mathematical and Symbolic Logic
- Computation Theory
- Modal Logic
- Quantification
- Formal Theories of Truth
- Calculus I+II+III
- Statistics
- Found. of Higher Mathematics
- General Biology I+II
- General Physics I+II
- General Chemistry I+II
- Organic Chemistry I+II
- Genetics
- Molecular and Cell Biology
- Immunology