CURRICULUM VITAE - PAUL RAPOPORT

THIS RESUME IS UP TO DATE AS OF NOVEMBER 2024.

Contact Information

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Employment, Education, and Skills

- Summer 2024: Stanford Existential Risk Initiative - Machine Learning and Aligment Theory Scholars (SERI MATS) Program Scholar. Tsvi Benson-Tilsen, solo mentorship.
  - Skills: Additional Python and SQL as applied to large datasets; working with causal/Pearlian inference and Bayes nets; working familiarity with machine learning systems, both on the specifics of frontier models and from an alignment perspective.

- Late 2023 ∼ Early 2024: Independent researcher for OpenPhilanthropy's Long-Term Future Scholarship program.
- Late 2023 ∼ Mid 2024: Independent researcher for the Center for Long-term Risk.

- Summer 2023: SERI MATS Participant. John Wentworth, offsite track.
  - Skill: Working knowledge of Python and pytorch sufficient for research coding

- Fall 2022 ∼ Spring 2023: Research-Track Postdoctoral Instructor at Temple University.

- Enrolled in doctoral program from 2015 ∼ 2021. Completed MS in May 2017; Master's thesis available on request. Defended PhD thesis in May 2021. Graduated in December 2021.
  - Fall 2015 ∼ Fall 2020: Graduate TA at the University of Illinois at Chicago.
  - Thesis: "On the profinite distinguishability of hyperbolic Dehn fillings of finite-volume 3-manifolds". Advisor: Professor Daniel Groves. Defended in May 2021, socially distanced.
  - Skills: Research habits and taste; pedagogy and classroom management; more advanced math, including category theory, geometric group theory, and model theory; basic Python and SQL.

- Fall 2015 ∼ Spring 2023: Teaching positions at UIC and Temple involved teaching Mathematical Reasoning, Precalculus, Calculus I, and Calculus II, and grading for all of the previous classes as well as for Calculus III.

- Fall 2011 ∼ Spring 2015: AB: Princeton University. Concentration in mathematics. Awarded in May 2015. Junior and senior theses available on request.
  - Skills: Mathematics and quantitative reasoning; programming, including working knowledge of MATLAB, LaTeX, Python, and Java; molecular biology (integrated science curriculum) and linguistics courses not reflected in my degree; self-directed learning; including original research, autodidactism, and personal-interest study of academic topics.

Preprints, Publications, and Code

- "On the profinite distinguishability of hyperbolic Dehn fillings of finite-volume 3-manifolds", found at https://arxiv.org/abs/2102.10445. Accepted for publication to the Journal of Algebraic and Geometric Topology as of 2023-10-01.

- "Untangling infrabayesianism: a redistillation", along with some unpublished minor results regarding infrabayesian agents playing population games. Available on request.

- Github: `https://github.com/Lorxus/`