

Jason Gross

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PRESENT ADDRESS

258 Prospect Street, Apt 1L
Cambridge, MA 02139

PERMANENT ADDRESS

126 Hayrick Lane
Commack, NY 11725

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Began Doctorate of Philosophy in Computer Science in September 2013

Bachelor of Science, June 2013

Major in Mathematics and Physics

Undergraduate G.P.A. 4.6/5.0

Relevant Coursework: Program Analysis, Performance Engineering of Software, Statistical Physics, Quantum Physics, Topology, Analysis, Waves & Vibrations, Special Relativity, Algebra

EXPERIENCE

MIT

April 2012–Present

Researcher

Cambridge, MA

- Entered a significant amount of category theory into the automated proof assistant Coq (<https://github.com/JasonGross/HoTT-categories>)
- Worked on building an interface for databases and database migration on top of category theory in Coq with David Spivak and Adam Chlipala

MIT CSAIL

November 2009–September 2011

Researcher

Cambridge, MA

- Designed from scratch a data collection webpage, collected data for, and helped with research on categorical and transfer learning (<http://jgross.scripts.mit.edu/alphabets/>).
- Co-author of “One shot learning of simple visual concepts”.

MIT

Fall 2009–Present

Teacher

Cambridge, MA

- Taught classes on \LaTeX , philosophy, linear algebra, and quantum mechanics for MIT Educational Studies Program’s Splash, Spark, and Summer HSSP (High School Studies Program)
- Teaching Assistant for 8.012 (Physics I) and 8.022 (Physics II) in Experimental Study Group

COMPUTER SKILLS

- Proficient skills – BASIC, Python, Java, JavaScript, Mathematica, \TeX macro language, Coq
- Working knowledge – Agda, C, C++, Scheme, Haskell, Matlab, HTML, CSS, git, \LaTeX
- Basic knowledge – OCaml, Ur/Web

HONORS AND AWARDS

- Collection of 12 original K’NEX synagogue models exhibited in various museums (2004–2008)

EXTRACURRICULAR ACTIVITIES

- Canada/USA Mathcamp (Summers 2006–2009)
- SIPB (Student Information and Processing Board) Member
- Project leader for MITeX (<http://mitex.mit.edu/>), an online interface for composing \LaTeX
- Committer to the SIPB BarnOwl project (<http://barnowl.mit.edu>)
- Co-maintainer of the homotopy type theory Coq repository (HoTT/HoTT on github)