

# Ryan M Harrison

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## Education

**University of Oxford** (Oxford, UK) Expected 2014  
DPhil in Biological Physics. Wolfson College.

- Molecular simulation of DNA
  - Spearhead automated testing initiative to reduce scientific and build errors.
- Single-molecule fluorescence

**Johns Hopkins University** (Baltimore, MD) December 2009  
Bachelor of Science in Biomedical Engineering; Minor in Economics. GPA: 3.26/4.00

- Treasurer, JHU Engineers without Borders (2006-2009)
  - Setup financial reporting structure for international engineering development organization with \$100k/yr turnover. Teams operating in 3 countries.
- Cultural Liaison, Student Activities Commission (2007-2009)
  - \$500k oversight for 150+ student groups. Directly responsible for 22 cultural.

**Danish Institute for Study Abroad** (Copenhagen, Denmark) Fall 2009  
International Business & Economics Program.

## Experience

**NaturalMotion** (Oxford, UK) Summer 2013

- Delivered specification and implementation of R&D project for the Morpheme procedural animation engine. Non-technical live-demo to key stakeholders.

**Ginkgo BioWorks** (Boston, MA) Jan – May 2010

- Developed web apps to speed up prototyping of engineered biological systems.
- Software exceeded milestone payment requirements of industrial partner.
- Collaborated with lab for further pipeline speedups from hardware integration.

**Ion Torrent Systems** (Guilford, CT) Summer 2009

- Executed wetlab experiments and ran instrumentation to improve performance of a next generation DNA sequencer prototype.
- Took the initiative to write an app to track improvements in system performance.

**Maryland General Assembly** (Annapolis, MD) Spring 2009

- Prepared testimony, policy memos, and statements for a Baltimore City Delegate.
- Coordinated with stakeholders to amend legislation, including meeting with constituents and succinctly communicating actionable concerns to delegate.

**Baltimore City Health Department** (Baltimore, MD) Fall 2007

- Analyst for the 2008 Baltimore City Health Status Report.
- Aided flu monitoring (quantitative) and anti-smoking campaign (public relations).

## Training

University of Oxford Student Consultancy	Winter 2013
Saïd Business School Building a Business Course	2012/2013
Mid-Atlantic Biotech Conference (Volunteer)	Sept 2012
Mid-Atlantic Venture Association Capital Connection (Volunteer)	May 2012
NIH Science Policy Group	2011/2012

## Honors

NIH Graduate Student Research Award (Travel Award)	2011
National Science Foundation Graduate Research Fellow (3 year, \$120k)	2010
Inductee, National Gallery for America's Young Inventors (\$5k)	2006
5th Place, Intel Science Talent Search (\$25k)	2005

## Hobby

bow ties / allotment gardening / technical theater (lighting)