

Ryan M Harrison

2115 Cloville Avenue
Baltimore, MD 21214
+1 443 257 5953

ryan.m.harrison@gmail.com
linkedin.com/in/rmharr
github.com/rmharrison

Wolfson College
Oxford OX2 6UD
+44 07523 229446

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
 - Mentored pre-doctoral minority students. Two completing advanced degrees.

Johns Hopkins University (Baltimore, MD) December 2009
Bachelor of Science in Biomedical Engineering; Minor in Economics.

- 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.

Work 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)