

# Ryan M Harrison

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

ryan.m.harrison@gmail.com  
linkedin.com/in/rmharri  
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 on a DNA helicase, one type of motor protein.

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

- Voluntary capstone project on alternate GDP measures. Econometrics coursework.

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

- Homestay. Intensive language training. Corporate finance coursework.

## 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

- Employee # 4 at bootstrapped synthetic biology start-up building rapid prototyping pipeline for engineered biological systems.
- Responsible for software deliverables on grant from industrial partner; exceeded milestone payment requirements worth ~ 6 months of burn.
- Collaborated with lab for further pipeline speedups from hardware integration.

**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.

## Volunteering

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.
- Prepared accounts, budget, internal quarterly and external annual reports.

Cultural Liaison, JHU Student Activities Commission 2007-2009

- \$500k oversight for 150+ student groups. Directly responsible for 22 cultural.

## Training

Facebook London Hackathon Apr 2013

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)