

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 protein

Johns Hopkins University (Baltimore, MD) December 2009
BS 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. Language training. Corporate finance coursework.

Experience

Game R&D Programmer (Oxford, UK) Summer 2013

- Specification and implementation of R&D project for NaturalMotion's Morpheme procedural animation engine (NDA). Non-technical live-demo to key stakeholders.

Facebook London Hackathon (London, UK) Apr 2013

- Team of 3 developed distributed computing app in 24 hours. Honorable mention.

Bioinformatics Programmer (Boston, MA) Jan – May 2010

- Employee #4 at Ginkgo BioWorks, a bootstrapped synthetic biology start-up building a 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 time.
- Collaborated with lab for further pipeline speedups from hardware integration.

Legislative Aide (Annapolis, MD) Spring 2009

- Prepared testimony, policy memos, and statements for a Baltimore City Delegate to the Maryland General Assembly, representing ~100k constituents.
- Succinctly communicated actionable stakeholder concerns to delegate.

Treasurer, JHU Engineers without Borders (Baltimore, MD) 2006-2009

- Setup financial reporting structure for international engineering development organization with \$100k/yr turnover. Teams operating in 3 countries.
- Prepared and presented annual report to Dean of Engineering to secure continued support. Quarterly reports, accounts and budget guidance to team leaders.

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)