

Lucas Spangher

PO Box 696, Saint James, New York; (631) 780-4584 or lucas.ingamba@gmail.com

OBJECTIVE	Tackle strategy and statistics problems in green energy deployment.	
EDUCATION	Duke University , B.S. in Statistics and B.S. in C.S. with Minor in Mathematics; <i>Graduation with Highest Honors</i> in Statistics Department Oxford University , New College: Victorian Literature	<i>Class of 2014</i> <i>Summer 2011</i>
TECHNICAL SKILLS	Languages & Software: R, MatLab, L ^A T _E X, Python, MySQL, Java Operating Systems & Hardware: Linux/Unix, DOS, SEM, XPS, XRD	
EXPERIENCE	NSF Traveling Research Scholar <i>2014- 2015</i> Lived in a rural Indian village for 13 months; Designed and built 5 solar microgrids covering 70 families, analyzed their social effects and techno-financial viability. Google Ventures: 1618 Labs , Data Analyst <i>2013</i> Built a hierarchical cluster-regression hybrid model that saved \$3 million for government scheme incentivizing decongestion in Singapore's public transit. Stem: Energy Optimization Startup , Data Analyst <i>2012</i> Solar load generator (VB shell on SamUL script), anomaly detection algorithm (Python shell on Matlab), live data compressor (PyRRD). Patents pending. Patched PyRRD. Echeverri Lab at Duke University , Research Assistant <i>2012- 2014</i> Modelling green energy investment under uncertainty (SamUL, UIT, MatLab) Glass Labs at Duke; Garcia Labs at Stony Brook Uni <i>2008 - 2011</i>	
ACADEMIC AWARDS	Angier B. Duke Scholarship: Four-year award of tuition, room and board with paid summer program in Oxford University and \$7000 research funding. 1 of 15 recipients from Duke's entire applicant pool. Honorary Udall Scholar: Most prestigious undergrad env award in USA, 2013 First Place Award: National DataFest 2013 Silver Medal: International Sustainable Energy Olympiad, 2010 Speaker/Presenter: MIT Energy Conference '12, Harvard REC '12, AASHE '12 Scholarships: National Merit Scholarship, Byrd Scholarship, Morrison Scholarship, John Jay Scholarship, Tanners Scholarship, Century Scholarship Deans List with Distinction: Spring 2011, Fall 2012, Spring 2013, Fall 2013	
LEADERSHIP	Op Ed Writer: Bi-weekly articles in Huffington Post, Duke Chronicle, Takepart.org Designed and Taught Online Class: "Mech of Env Consciousness" Dept Env Science: http://www.udemy.com/env-consciousness/	
INTL EXPERIENCE	<i>Languages:</i> English, Italian, Hindi, Kannada, French, Spanish Chile Researcher: climate change on Chilean botany; Catholic Uni collaborated 2014 China, Lecturer: green tech in Beijing; featured on NDDaily & CCTV 2012 Palestine, West Bank: Researcher: climate change on Bedoin communities 2015 Paraguay, LEED Certification: Helped found the first LEED council 2012	
OTHER HONORS	Eagle Scout Award, 2009 Performed cello 10+ times in Carnegie Hall with NY Youth Symphony	