

CONTACT INFORMATION	<p>Johns Hopkins University School of Medicine, Department of Surgery 720 Rutland Ave, Turner 34 Baltimore, MD 21205 USA</p>	<p><i>E-mail:</i> alvin@jhmi.edu <i>Github:</i> alvinthomas <i>Twitter:</i> @alvinthomas13 <i>LinkedIn:</i> @alvinthomas13</p>
RESEARCH INTERESTS	<p>Utilizing Epidemiologic Methods in Transplantation: I believe that mathematical techniques can be used to improve the lives of millions. I hope to use my background in engineering and programming to answer important questions in medicine. I currently work in the field of transplantation with the Epidemiology Research Group in Organ Transplantation (ERGOT) at the Johns Hopkins University School of Medicine.</p>	
CURRENT POSITION	<p>Research Data Analyst, Johns Hopkins University School of Medicine, Department of Surgery Epidemiology Research Group in Transplantation</p>	August 2016 to present
EDUCATION	<p>Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD</p> <p>M.S.P.H., International Health, May 2016</p> <ul style="list-style-type: none"> • Thesis Topic: <i>The mLAKE Community Trial: Using mHealth to Empower CHWs to Encourage Combination HIV Prevention</i> • Adviser: Larry W. Chang, MD, MPH <p>Washington and Lee University, Lexington, VA</p> <p>B.S., Chemistry-Engineering, May 2014</p> <ul style="list-style-type: none"> • <i>Honors</i> in Engineering • Thesis: <i>Plasticity in Dissociated Neuronal Networks under Chronic Stimulation</i> • Adviser: Jonathan Erickson, PhD • Minor in Poverty and Human Capabilities 	
REFEREED JOURNAL PUBLICATIONS	<p>[1] Perin, J, Thomas, A, Oldja, L, Ahmed, S, Parvin, T, Bhuyian, SI, Sarker, B, Biswas, SK, Faruque, AS, Sack, RB, and George, CM, 2016. Geophagy is associated with growth faltering in children in rural Bangladesh. <i>The Journal of Pediatrics</i>. 2016 Nov 30; 178:34-9. doi:10.1016/j.jpeds.2016.06.077</p>	
CONFERENCE POSTERS	<p>[2] Thomas AG, Henderson ML, Massie AB, Shaffer A, Luo X, Holscher CM, Segev DL. Fewer than 50% of Transplant Centers Fully Comply with OPTN Living Donor Follow-up Policy. In: <i>American Society of Transplant Surgeons</i>, Miami, FL, USA, January 26-29, 2017.</p> <p>[3] Hapern SE, Thomas AG, Holscher CM, Massie AB, Henderson ML, Anjum S, Locke JE, Segev DL. Sexual Dysfunction Among Living Kidney Donors. In: <i>American Society of Transplant Surgeons</i>, Miami, FL, USA, January 26-29, 2017.</p> <p>[4] Long A, Hutton H, Mbabali I, Thomas A, Bugos E, Mulamba J, Amico KR, Nalugoda F, Gray R, Wawer M, Nakigozi G, Chang LW. Evaluation of a Motivational Interviewing-Informed, mHealth-Supported CHW Training Program to Promote HIV Treatment and Prevention in a HIV Hotspot Ugandan Fishing Community. In: <i>International Association of Providers of AIDS Care</i>, Fort Lauderdale, FL, USA, May 9-11, 2016.</p>	

- [5] Chang LW, Mbabali I, Kong X, Hutton H, Long A, **Thomas A**, Bugos E, Ssekasanvu J, Kennedy C, Amico KR, Nalugoda F, Reynolds SJ, Quinn T, Serwadda D, Gray R, Wawer M, Nakigozi G. A Cluster-Randomized Trial to Promote Combination HIV Prevention Using mHealth-Supported CHWs in a High-Prevalence Ugandan Fishing Community: Design and Baseline Characteristics of the mLAKE Trial. In: *International AIDS Conference*, Durban, South Africa, July 18-22, 2016.
- [6] Erickson J, **Thomas A**, Strickland K, Barnes A. Iterative Gaussian mixture model splitting of multimodal PSTH for studying activity dependent changes in cultured network connectivity. In: *Society for Neuroscience*, San Deigo, CA, USA, November 9-13, 2013.

AMERICORPS SERVICE

Robotics Program Founder | Lexington City Schools | 2011-2014

- Created and ran a program that uses Lego NXT robots to introduce middle school and elementary students to robotics, computer science, and engineering design utilizing a \$2500 grant from NASA.

Shift Leader | Campus Kitchens Project | 2011-2014

- Addressed local hunger as a ServSafe-certified manager by supervising shifts that collected, prepared, and served over 300 meals/week.

Trip Coordinator | Volunteer Venture Program | 2011-2013

- Coordinated three weeklong service trips for incoming students, which involves budget management and logistical planning.

Therapeutic Nursery Intern | Kennedy Krieger Institute | 2011

- Conducted play-therapy sessions with homeless toddlers and their families. Provided care for the children and assisted with an active study in child psychology.

Patient Eligibility Intern | Rockbridge Area Health Center | 2010-2012

- Helped manage the medical database, helped eligible patients acquire free medication from pharmaceutical companies, and answered patient questions by phone.

HARDWARE AND SOFTWARE SKILLS

Computer Programming:

- C, C++, Java, Python, SQL, MySQL

Numerical Analysis:

- R, Stata, MATLAB, Maple

Version Control and Software Configuration Management:

- Git, SVN

Desktop Editing and Productivity Software:

- Atom, Xcode, RStudio
- \TeX (\LaTeX , \BibTeX)
- Microsoft Office, LibreOffice, Google Docs, iWork
- GIMP, Adobe Photoshop

Operating Systems:

- Apple OS X, Microsoft Windows, Linux (Fedora)

AWARDS

[Johns Hopkins University Bloomberg School of Public Health](#)

- Center for Global Health Pilot Grant, 2015

[Washington and Lee University](#)

- Algernon Sydney Sullivan Award, 2014
- Omicron Delta Kappa Leader of the Year, 2014
- Sigma Pi Sigma Physics Honor Society, 2013
- Johnson Opportunity Grant, 2013

- Evans International Grant, 2013
- Avis P. Waring Scholarship, 2013
- Omicron Delta Kappa Leadership Honor Society, 2013
- Johnson Scholarship, 2010-2014