

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><b>Utilizing Epidemiologic Methods in Transplantation:</b> 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><b>Research Data Analyst</b>, Johns Hopkins University  School of Medicine, Department of Surgery  Epidemiology Research Group in Transplantation</p>	August 2016 to present
EDUCATION	<p><b>Johns Hopkins University Bloomberg School of Public Health</b>, Baltimore, MD</p> <p>M.S.P.H., International Health, May 2016</p> <ul style="list-style-type: none"> <li>• Thesis Topic: <i>The mLAKE Community Trial: Using mHealth to Empower CHWs to Encourage Combination HIV Prevention</i></li> <li>• Adviser: Larry W. Chang, MD, MPH</li> </ul> <p><b>Washington and Lee University</b>, Lexington, VA</p> <p>B.S., Chemistry-Engineering, May 2014</p> <ul style="list-style-type: none"> <li>• <i>Honors</i> in Engineering</li> <li>• Thesis: <i>Plasticity in Dissociated Neuronal Networks under Chronic Stimulation</i></li> <li>• Adviser: Jonathan Erickson, PhD</li> <li>• Minor in Poverty and Human Capabilities</li> </ul>	
REFEREED JOURNAL PUBLICATIONS	<p>[1] Perin, J, <b>Thomas, A</b>, 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] <b>Thomas AG</b>, Shaffer A, Massie A, Segev DL. Use of Pulsatile Perfusion Modifies the Effect of Delayed Graft Function on Graft Failure. In: <i>American Transplant Congress</i>, Chicago, IL, USA, April 29 - May 3, 2017.</p> <p>[3] <b>Thomas AG</b>, Massie A, Garonzik-Wang J, Lentine K, Henderson M, Segev DL. Landscape of Multiple Donations from a Living Donor in the USs. In: <i>American Transplant Congress</i>, Chicago, IL, USA, April 29 - May 3, 2017.</p> <p>[4] <b>Thomas AG</b>, 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>[5] Hapern SE, <b>Thomas AG</b>, 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>	

- [6] 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: *International Association of Providers of AIDS Care*, Fort Lauderdale, FL, USA, May 9-11, 2016.
- [7] 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.
- [8] 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
- $\text{\LaTeX}$  ( $\text{\LaTeX}$ ,  $\text{\BibTeX}$ )
- 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