

## Stephen Thompson

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<b>About me</b>	I am a full-stack web developer living in Chicago, and currently completing the coding boot camp at Northwestern University. I also have a background in applied mathematics, with a particular focus in spatial epidemiology, mathematical economics and differential equations. I love working with the back end of web applications and am excited to apply my coding skills, together with my background in mathematics, in the private sector after several years of teaching. For fun, I like to go on bike rides with my wife Kate.	
<b>Education</b>	<i>Certificate in Full-Stack Web Development</i> , Northwestern University, expected completion December 2021  <i>Doctor of Philosophy, Applied Mathematics</i> University of Maryland, Baltimore County (UMBC), 2013  <i>Master of Science, Applied Mathematics</i> University of Maryland, Baltimore County, 2009  <i>Bachelor of Arts, Mathematics</i> University of Maryland, Baltimore County, 2008	
<b>Professional Experience</b>	<i>Part-time instructor</i> University of Maryland, Baltimore County 1000 Hilltop Circle Baltimore, MD 21250 <i>Courses taught:</i> partial differential equations (Math 404 four times), linear algebra (Math 221, seven times), differential equations (Math 225, three times), multivariable calculus (Math 251, three times) and geometry (Math 306). Also worked as an academic advisor for new students.	2015-2021
	<i>High School Teacher</i> Baltimore City Public Schools 200 E. North Ave Baltimore, MD 21210 <i>Courses taught:</i> Algebra II and College Readiness Mathematics.	2019-2020
	<i>Affiliate Faculty</i> Loyola University, Maryland 4501 N. Charles St.	2017-2019

Baltimore, MD 21210

*Courses taught:* Applied Calculus (MA151, once), Calculus I (MA251, twice), Calculus II (MA252, three times).

*Collective member*

2017-2019

Alternative Press Center  
2239 Kirk Ave.

Baltimore, MD 21218

*I helped write and edit the Alternative Press Index, which is carried by many academic libraries and is published twice per year.*

*Part-time instructor*

2014-2016

Community College of Baltimore County  
10300 Grand Central Ave  
Owings Mills, MD 21117

*Courses taught:* statistics (Math 153, two times), college algebra (Math 163, three times), and high school algebra (Math 081, 082 and 083).

*Teaching Assistant*

2008-2013

University of Maryland, Baltimore County

*Courses taught:* calculus I (Math 151), calculus II (Math 152), and precalculus (Math 150).

**Selected  
publications**

Thompson, S. 2020. "Growth, external markets and stock-flow norms: a Luxemburg-Godley model of accumulation." *Cambridge Journal of Economics* 44(2): 417-443.

Thompson, S.: 2014. "Convergence of nonlocal diffusion models on lattices." *Journal of Mathematical Analysis and Applications* 415: 1-13.

Thompson, S. 2013. *Anomalous Diffusion in Subsets of Euclidean Space*. Doctoral dissertation. University of Maryland, Baltimore County.

Thompson, S. and Seidman, T. I. 2013. "Approximation of a Semigroup Model of Anomalous Diffusion in a Bounded Set." *Evolution Equations and Control Theory* 2: 173-192.

Thompson, S. 2010. "An Extension of Browder's Non-Ejective Fixed Point Theorem," *Fixed Point Theory* 11: 143-146.

**Service**

*Volunteer Tutor*

2013

Goucher Prison Education Partnership

I tutored students at the mens' prison in Jessup, Maryland.

*Member, Fair Labor Standards Advisory Group*

2009

University of Maryland, Baltimore County

This group reviewed labor issues at factories that produce UMBC's university-logo apparel. The group was appointed by the university president. As a member, I helped convince the administration to affiliate with the Worker Rights Consortium.

**Award**

Recognized for outstanding mathematics research in 2012 by the College of Natural and Mathematical Sciences, UMBC.

**References**

Available upon request.