

**Zachary D. Wissner-Gross, Ph.D.**

E: zachwg@schoolyourself.org P: (516) 729-7478

**SCHOOL YOURSELF, INC.**

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**Co-Founder and CEO**

2012-present

- Developed authoring and analytics tools for personalized learning
- Created AlgebraX and GeometryX, the first two adaptive MOOCs, currently used by 50,000 students globally
- Secured ~\$1M in funding from Verizon, edX, Harvard Innovation Lab, Hertz Foundation, Dell, and others
- Authored three top-rated interactive textbooks for the iPad: *Trigonometry* (2012), *Hands-On Precalculus* (2012), *Hands-On Calculus* (2012)
- Patents pending:
  - US 20140149496: System and Method for Recording and Playback of Interactions on a Computing Device. (2013)
  - US 20140098142: System and method for generation and manipulation of a curve in a dynamic graph based on user input. (2013)

**EDUCATION**

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**Harvard University, Cambridge, MA**

Ph.D. in Physics

2012

A.M. in Physics

2010

Doctoral thesis: *Symmetry Breaking in Neuronal Development*

**Massachusetts Institute of Technology (MIT), Cambridge, MA**

S.B. in Physics and S.B. in Biology (graduated Phi Beta Kappa)

2007

Minors: Chemistry and Mathematics

**SELECTED AWARDS**

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2007-2012 Fannie and John Hertz Foundation/Myhrvold Family Fellowship  
2011 Student Research Achievement Award, Biophysical Society  
2010 White Award for Excellence in Teaching, Harvard University  
2007-2010 Department of Defense NDSEG Fellowship  
2007 NSF Graduate Research Fellowship (declined)  
2005-2007 Department of Homeland Security Undergraduate Scholarship

**SELECTED PUBLICATIONS**

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**Z Wissner-Gross**, M Scott, J Steinmeyer, M Yanik. "Synchronous symmetry breaking in developing neurons with different neurite counts." *PLoS ONE* 8, e54905 (2013).

M Scott, **Z Wissner-Gross**, M Yanik. "Ultra-rapid laser protein micropatterning: screening for directed polarization of single neurons." *Lab on a Chip* 12, 2265 (2012).

P Shi, M Scott, B Ghosh, D Wan, **Z Wissner-Gross**, R Mazitschek, S Haggarty, M Yanik. "Synapse microarrays identify small-molecules enhancing synaptogenesis." *Nature Communications* 2, 510 (2011).

**Z Wissner-Gross**, M Scott, D Ku, P. Ramaswamy, M Yanik, "Large-scale analysis of neurite growth dynamics on micropatterned substrates," *Integrative Biology* 3, 65 (2011).