

# Stephanie Oh

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## Employment

- 2015 - **Manager of Education Software Technology**, *Wolfram Research*, San Francisco, CA.
- Manage and grow a group of developers working on education-focused technologies such as the Wolfram Problem Generator, Wolfram|Alpha math content and Wolfram|Alpha step-by-step.
  - Create and execute product roadmaps for Wolfram's educational tools, such as expanding the college-level math content for Wolfram|Alpha.
  - Manage, edit and create education content such as programming challenges, Wolfram|Alpha math content, and exercises for a introductory programming book.
  - Create links to integrate company's tools with existing classroom technologies.
  - Solve backend development problems such as user data management, cloud deployment and code-grading.
  - Lead development and content meetings with CEO, Stephen Wolfram, and other groups.
  - Interview, hire and train new developers for the team in the company's tools and development language.
  - Attend educational conferences and network with others interested in injecting technology into the classroom.
- 2013 - 2015 **Developer**, *Wolfram Research*, San Francisco, CA.
- Develop continuously deployed revenue generating math content for [wolframalpha.com](http://wolframalpha.com).
  - Increase cloud product adoption by working with a small team to design gamified tutorials for company's knowledge-based programming language.
  - Create content for Wolfram|Alpha math, step-by-step and the Wolfram Programming Lab explorations.
  - Broaden customer base through creating multimedia content and presenting at conferences.
  - Furthered company's education initiative through back-end development of Wolfram Problem Generator.
  - Teach Topology, and Graph Theory at a summer camp for high school students.
- 2012 - 2013 **Teaching Assistant**, *Purdue University*, West Lafayette, IN.

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## Education

- 2013 **Master of Science in Mathematics**, *Purdue University*, 3.6/4.0.  
Recipient of fellowships for outstanding PhD-track students.
- 2011 **Bachelor of Arts in Mathematics with Honors**, *Northwestern University*, 3.64/4.0.  
Honor thesis on Expander Graphs (2011)  
Recipient of merit scholarships for outstanding academic achievement.
- 2007 **High School Diploma**, *The Hill School*, Pottstown, PA.
- 2009-2010 **Budapest Semesters in Mathematics**, Budapest, Hungary.

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## Professional Affiliations and Development

- 2015 Exhibitor and speaker at DeveloperWeek
- 2014 Exhibited at EDUCAUSE's annual conference.
- 2014 Exhibited, presented, and ran focus groups at American Mathematical Association of Two Year Colleges' annual conference.

- 2011-13 Member of American Mathematical Society.  
2011 Presented at the Joint Mathematics Meeting, the largest international math conference.  
2010-11 Member of Mortar Board national honor society.  
2010 Funded by the NSF, researched Expander Graphs with professor Darren Long at UCSB.  
2008 Selected for and attended Carleton College's Summer Math Program for Women.

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## Computer skills

Proficient Mathematica, Python  
Basic Java, C  
Miscellaneous Microsoft Office, Windows, Linux,  $\text{\LaTeX}$ , Camtasia, R

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## Languages

Native English, Korean  
Basic French, German