

# Stephanie Oh

Boston, MA

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## Employment

2013 **Developer**, *Wolfram Research*, Boston, MA.

- 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 and gamify tutorials for company's data-based programming language.
- Train and manage intern to contribute to company's on-going projects.
- Broaden customer base through creation of engaging multimedia content.
- Furthered company's education initiative by improving accuracy of and user experience for [wolframalpha.com/problem-generator](http://wolframalpha.com/problem-generator) prior to its launch.

2012-2013 **Teaching Assistant**, *Purdue University*, West Lafayette, IN.

Conducted recitation and created quizzes for 179 students in Calculus I and II

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## Education

2013 **Master of Science in Mathematics**, *Purdue University*.

Recipient of fellowships for outstanding PhD-track students.

2011 **Bachelor of Arts in Mathematics with Honors**, *Northwestern University*.

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**, *Budapesti Műszaki és Gazdaságtudományi Egyetem*, Budapest, Hungary.

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## Professional Affiliations and Development

2013 Attended the Wolfram Technology Conference.

2011-2013 Member of American Mathematical Society.

2011 Presented at the Joint Mathematics Meeting, the largest international math conference.

2010-2011 Member of Mortar Board national honor society recognizing college seniors for their exemplary scholarship, leadership and service.

2010 Researched Expander Graphs as part of an NSF funded program with professor Darren Long at the University of California, Santa Barbara.

2009 Attended the Nebraska Conference for Undergraduate Women in Mathematics.

2008 Selected for and attended Carleton College's Summer Math Program for Women.

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## Computer skills

Proficient Mathematica, Python, Microsoft Excel

Basic Java, C

Miscellaneous Microsoft Office, Windows, Linux, L<sup>A</sup>T<sub>E</sub>X, Camtasia

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## Languages

Native English, Korean

Basic French, German

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**HR Department**

Corporation

123 Pleasant Lane

12345 City, State

Dear McKinsey Person,

I would like to apply for an **Associate position at McKinsey's Los Angeles office**. Enclosed is a copy of my CV highlighting my education and experience, including my current job as a software developer for Wolfram Research— a computation software company and maker of Mathematica.

Through past experience, I have gained the presentation and analytical skills ideal for succeeding at McKinsey. Working as a Calculus teaching assistant taught me how to present technical solutions effectively. Additionally, I can apply my knowledge from the tech industry to help global clients achieve the virtualization necessary to thrive in the age of this impending global resource revolution. As reported in the *McKinsey Quarterly*, a fast rate of virtualization is a key indicator of a company's competitiveness.

At Wolfram Alpha, I often work on exploratory projects prior to team assignment. I have been successful in this position due to my unique type of leadership. I identify the strengths and personalities of my coworkers and employ their skills to add depth to my projects. For example, I was successful in presenting a comprehensive prototype for a new technical education initiative in a recent meeting with the CEO of Wolfram Alpha. I recruited a few coworkers, with whom my relationship had been strictly social, to be my UX developer and domain specific expert. Together, we were able to realize my vision and create a complete prototype to move the project into the next step of development.

My math background from Northwestern University and Purdue University has trained me to recognize hidden relationships in seemingly disparate concepts and to devise creative solutions to any problem. While maintaining content for wolframalpha.com, I came across a strange numerical error. I identified and fixed the error and improved the speed of the program by 1000%, using skills acquired during graduate school. As the content I develop goes live weekly, I am also experienced working in a result-oriented environment.

I have leveraged my unique education background from four different countries to develop a creative point of view and adaptability. Unlike other applicants who may have problems adjusting to the rigorous environment at McKinsey, I am ready to use my analytical intuition to thrive at the company.

Thank you for your consideration. I look forward to discussing opportunities with you.

Most Sincerely,

**Stephanie Oh**

*Attached: curriculum vitae*