

# MARTINA PAVELKO

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95 Bigelow St.  
Pittsburgh, PA 15207

(650) 438-1703  
mpavelko@gmail.com  
www.martinapavelko.com

I have a great passion for teaching. I started on this path as a peer tutor in high school and made education my career. As a master's student in learning science, I have built on my rich background as a high school teacher and have a deep understanding of how to evaluate and create highly effective and appealing educational technologies and programs. I believe strongly in a user-centered design process and would relish the opportunity to work with a group of creative and talented individuals to develop principled and innovative educational solutions.

## EDUCATION

<b>Carnegie Mellon University, Pittsburgh, PA,</b> Masters of Educational Technology and Applied Learning Science	<b>2013 - 2014</b>
<b>San Jose State University, San Jose, CA</b> Secondary Education Credential, Chemistry and General Science	<b>2007 - 2008</b>
<b>Stanford University, Stanford, CA</b> Bachelors of Science, Science Technology and Society	<b>2001 - 2005</b>

## PROFESSIONAL EXPERIENCE

<b>Capstone Project with BloomBoard, CMU, Pittsburgh PA</b> Project Manager Acted as the lead of a highly interdisciplinary team for the METALS capstone project, an 8-month end-to-end research, design, and development process. Conducted literature review, competitive analysis, contextual inquiry to uncover teacher needs and behaviors with regards to community professional learning. Participated actively in design, evaluation, and development of novel online community for K-12 teachers. Interfaced with client to communicate team progress and findings.	<b>2014</b>
<b>The Ellis School, Pittsburgh, PA</b> Upper School Science Teacher Teacher of Chemistry, AP Chemistry, and Concepts of Physics to students in grades 9-12, including students with learning accommodation plans and ELL students. Designed innovative new chemistry curriculum with strong emphasis on collaboration, conceptual understanding, hands-on lessons, and flipped classroom techniques. Acted as a mentor for a new faculty member, and advisor for 9 students yearly. Member of Academic Program Committee, STEM Committee, and Environmental Council. Coordinator for educational partnership with the Pittsburgh Parks Conservancy.	<b>2009 - 2013</b>
<b>Department of Materials Science, CMU, Pittsburgh, PA</b> High School Teacher Materials Science Intern Selected for one of three NSA-funded internships awarded to Pittsburgh area high school teachers. Conducted literature and laboratory research and met with subject matter experts in industry and academia. Authored a teaching module exploring materials science and engineering of kitchen tools.	<b>2012</b>

## SKILLS

<b>Research</b> Cognitive Task Analysis Cognitive Modeling Applied Machine Learning Educational Data Mining Usability Testing Contextual Inquiry
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### Design

Curricular Design E-Learning Principles Game Design Intelligent Tutor Design Rapid Prototyping
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### Tools

<i>Proficient</i> Java and C++ Moodle LMS Weka & Lightside iMovie
<i>Intermediate</i> Illustrator Photoshop

### Communication

Excellent Oral and Written Communication Oral and Written French, Italian & Spanish
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## INTERESTS

EuroGames Architecture Knitting Gardening Travel Running
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