

EDUCATION	Stanford University PhD, Computer Science. GPA: 4.0/4.0	September 2013 – present
	Massachusetts Institute of Technology MEng, Computer Science. GPA: 4.9/5.0 BS, Computer Science and Engineering. GPA: 5.0/5.0	September 2012 – June 2013 September 2008 – June 2012
INDUSTRY EXPERIENCE	Microsoft Research – Research Intern, Beijing	Summer 2014
	Designed and implemented a quiz-directed lecture viewing system. User studies show it improves engagement with quizzes and retention of the material compared to Coursera’s in-video quiz format.	
	Google Research – Software Engineering Intern, Mountain View	Summer 2013
	Designed and implemented novel ways to input text on Android.	
	Google – Software Engineering Intern, Mountain View	Summer 2012
	Designed and implemented a system to detect and provide definitions for specialized vocabulary in books.	
	Google – Software Engineering Intern, Mountain View	Summer 2011
RESEARCH EXPERIENCE	Developed a system that predicts how helpful a given user review on the Android Marketplace is. It has been deployed and is currently being used to display reviews on Google Play.	
	Microsoft Corporation – Software Development Engineer Intern, Redmond	Summer 2010
	Implemented the Intellisense API and Visual Studio code completion plugin for a new programming language	
	Google Summer of Code – FFmpeg (Video transcoding library)	Summer 2009
	Developed a playlist and concatenation API and parsers for several playlist formats for FFmpeg.	
	Stanford HCI Group – PhD student. Leading the following research projects:	Fall 2013 – present
	<i>FeedLearn: Microlearning in Facebook Feeds</i> FeedLearn helps you learn vocabulary as you browse your Facebook feed, by inserting interactive quizzes which you can answer without leaving your feed. User studies show increased vocabulary retention and engagement with quizzes, compared to the email and link approaches used by Duolingo.	
OPEN-SOURCE PROJECTS	<i>QuizCram: Question-Driven Video Viewing</i> QuizCram is a viewer for MOOC lectures that enables quiz-driven video navigation and reviewing. Materials can be generated from existing in-video quizzes on Coursera. User studies show improved engagement with quizzes, increased reviewing, and improved test scores compared to Coursera’s in-video quiz format.	
	MIT UID Group – Undergraduate/MEng research. Led the following projects:	Fall 2011 – Spring 2013
	<i>Smart Subtitles for Foreign Language Learning</i> Smart Subtitles helps you learn vocabulary while you watch foreign-language videos. It features an interactive transcript with mouse-over definitions and dialog-based navigation. User studies show increased vocabulary learning and increased satisfaction compared to bilingual subtitles.	
	<i>GrammarVis: Visualizing the Grammar of Foreign Languages</i> GrammarVis lets users interactively explore the syntactic structure of sentences.	
	<i>ScreenMatch: Visual Context for Software Translators</i> ScreenMatch matches translatable strings to screenshots, to illustrate how they are used in the software.	
	UNetbootin (LiveUSB Creator)	January 2007 – present
	Built a utility to create bootable USB flash drives for a variety (50+) of Linux distributions. 40 million downloads, http://unetbootin.sourceforge.net/	
	Wubi (Ubuntu Installer for Windows)	November 2006 – August 2007
	Built the first versions of the Windows-based Ubuntu Installer, which allows Windows users to safely install Ubuntu Linux without repartitioning. This work is now part of Ubuntu. Ships on the official Ubuntu CD, http://wubi.sourceforge.net/	

TEACHING

Teaching Assistant – Natural Language Processing (6.863) at MIT

Fall 2012

Helped write assignments, managed the course infrastructure, and graded assignments. I developed new tools to make the assignment grading process faster, semi-automatic, and paper-free.

Instructor – Introduction to C++ IAP (6.096) at MIT

January 2011

Gave lectures, helped write and grade assignments, and helped students in lab for a student-run, for-credit introductory C++ course. The teaching materials I produced have been made available on OpenCourseWare:

<http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-096-introduction-to-c-january-iap-2011>

Software Director – Maslab Autonomous Robotics Competition at MIT

January 2011

As the software director for the competition, I gave the software-related lectures, managed the software for the competition, and helped students in lab.

PUBLICATIONS

Geza Kovacs. “QuizCram: A Question-Driven Video Studying Interface.” ACM annual conference on Human Factors in Computing Systems (CHI) 2015, Extended Abstracts (to appear).

Geza Kovacs and Robert C. Miller. “Smart Subtitles for Vocabulary Learning.” ACM annual conference on Human Factors in Computing Systems (CHI) 2014, Full Paper.

Joseph Jay Williams, **Geza Kovacs**, Caren Walker, Samuel G Maldonado, Tania Lombrozo. “Learning Online via Prompts to Explain.” ACM annual conference on Human Factors in Computing Systems (CHI) 2014, Extended Abstracts.

Geza Kovacs and Robert C. Miller. “Foreign Manga Reader: Learn Grammar and Pronunciation while Reading Comics.” ACM Symposium on User Interface Software and Technology (UIST) 2013, Demo.

Geza Kovacs. “Smart Subtitles for Language Learning.” ACM annual conference on Human Factors in Computing Systems (CHI) 2013, Extended Abstracts.

Geza Kovacs. “ScreenMatch: providing context to software translators by displaying screenshots.” ACM annual conference on Human Factors in Computing Systems (CHI) 2012, Extended Abstracts.

AWARDS

National Defense Science and Engineering Graduate Fellowship, 2013-2016

NSF Graduate Research Fellowship (declined in favor of NDSEG), 2013

1st place, Most Useful, ACM UIST (User Interface Software and Technology) Student Innovation Contest 2012

1st place, ACM CHI (Conference on Human Factors in Computing Systems) Student Research Competition 2012

1st place, MIT Maslab Autonomous Robotics Competition 2010

Updated on February 1, 2015. Latest version: <http://www.gkovacs.com/resume.pdf>