

Geza Kovacs**geza@cs.stanford.edu****gkovacs.com**

EDUCATION	Stanford University	PhD	Computer Science	GPA: 4.0/4.0	2013 – now
	Massachusetts Institute of Technology	BS+MEng	Computer Science	GPA: 5.0/5.0	2008 – 2013
INDUSTRY EXPERIENCE	Microsoft Research – Research Intern, Redmond				Summer 2015
	Microsoft Research Asia – Research Intern, Beijing				Summer 2014
	Google – Software Engineering Intern, Mountain View				2011, 2012, 2013 (3 Summer Internships)
	Microsoft Corporation – Software Development Engineer Intern, Redmond				Summer 2010
	Google Summer of Code – FFmpeg (video transcoding library)				Summer 2009
RESEARCH HIGHLIGHTS	HabitLab: Large-scale Online Behavior Change Experiments (published at CHI 2019 and CSCW 2018)				
	HabitLab is an online experimentation platform I developed during my PhD at Stanford with <i>12,000+ daily active users</i> , which I have used to conduct a variety of experiments, data science, and machine learning work:				
	<ul style="list-style-type: none"> • Predicted changes in users' intervention preferences over time (using LSTM networks; Python/PyTorch) • Analyzed time redistribution effects caused by interventions (using mixed models; R/Python/SciPy) • Analyzed effects of rotating interventions on effectiveness and attrition (cox regression and LMM; R) • Personalized interventions to each user based on effectiveness (using reinforcement learning; Python) • Predicted time spent on webpages, based on browsing visit history data (using random forests; Python/H2O) 				
	Effects of In-Video Quizzes on MOOC Lecture Viewing (published at Learning at Scale 2016)				
	A large-scale data analysis of Coursera's in-video interaction logs across Machine Learning courses, analyzing effects of in-video quizzes on users' video watching and seeking behaviors (implemented in Python).				
TEACHING EXPERIENCE	EduFeed: A Social Feed to Engage Preliterate Children in Educational Activities (published at CSCW 2017)				
	Smart Subtitles for Foreign Language Learning (published at CHI 2014)				
	FeedLearn: Microlearning in Facebook Feeds (published at CHI 2015 EA)				
	QuizCram: Question-Driven Video Viewing (published at CHI 2015 EA)				
OPEN-SOURCE PROJECTS	Understanding Users (CS 377U) at Stanford – Teaching Assistant				Spring 2019
	Human Computer Interaction Research (CS 376) at Stanford – Teaching Assistant				Fall 2018
	Natural Language Processing (6.863) at MIT – Teaching Assistant				Fall 2012
	UNetbootin (LiveUSB Creator)				January 2007 – now
	Built a utility to create bootable USB flash drives for a variety (50+) of Linux distributions. <i>40 million downloads</i> , http://unetbootin.github.io/				
	Wubi (Ubuntu Installer for Windows)				November 2006 – August 2007
	Built the first versions of Wubi, which allows Windows users to safely install Ubuntu without repartitioning. <i>Now part of Ubuntu and ships on the official Ubuntu CD</i> , http://wubi.sourceforge.net/				
RELEVANT COURSEWORK	Deep Learning (CS 230), Natural Language Processing (6.864+6.863), AI (6.034), Network Analysis (CS 224W), Computational Cognitive Science (6.804), Computational Biology (6.047), HCI (6.803), Computer Security (6.857), Compilers (CS 143), Algorithms (6.006+6.046), Linear Algebra (18.700), Probability (18.440)				
SKILLS AND TECHNOLOGIES	Programming Languages: Python, JavaScript, R, Java, C, C++, C#, Scala, Ruby, CoffeeScript, Haskell, Bash				
	Machine Learning: PyTorch, sklearn, Keras, TensorFlow, H2O, RL, Deep Learning (RNN/LSTM/CNN/GAN)				
	Data Mining: Jupyter, NumPy, SciPy, Pandas, NLTK, NetworkX, MapReduce, Mongo, SQL, ggplot2, Plotly				
	Data Science: Mixed models, Survival analysis, Experiment design, A/B testing, Multi-armed bandits, NLP				
	Web Development: HTML/CSS/JS, Node.js, Flask, Polymer, D3.js, React, Flow, Webpack, MongoDB, Redis				
AWARDS AND HONORS	Mobile Development: Cross-platform JS (Cordova, NativeScript), Android (Java), Responsive Web Design				
	Stanford Human-Centered AI Grant (for my research project HabitLab), 2018				
	National Defense Science and Engineering Graduate Fellowship, 2013				
	National Science Foundation Graduate Research Fellowship, 2013				
	1 st place, Most Useful, ACM UIST (User Interface Software and Technology) Student Innovation Contest, 2012				
	1 st place, ACM CHI (Conference on Human Factors in Computing Systems) Student Research Competition, 2012				
	1 st place, MIT Autonomous Robotics Competition (Maslab), 2010				

Geza Kovacs, Drew Mylander Gregory, Zilin Ma, Zhengxuan Wu, Golrokh Emami, Jacob Ray, Michael Bernstein. “Conservation of Procrastination: Do Productivity Interventions Save Time Or Just Redistribute It?” ACM annual conference on Human Factors in Computing Systems (CHI) 2019.

Geza Kovacs, Zhengxuan Wu, Michael Bernstein. “Rotating Online Behavior Change Interventions Increases Effectiveness But Also Increases Attrition.” ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2018.

Rajan Vaish, Neil Gaikwad, **Geza Kovacs**, Andreas Veit, Ranjay Krishna, Imanol Arrieta Ibarra, Camelia Simoiu, Michael Wilber, Serge Belongie, Sharad Goel, James Davis, Michael Bernstein. “Crowd Research: Open and Scalable University Laboratories.” ACM Symposium on User Interface Software and Technology (UIST) 2017.

Kiley Sobel, **Geza Kovacs**, Galen McQuillen, Andrew Cross, Nirupama Chandrasekaran, Nathalie Riche, Ed Cutrell, Meredith Morris. “EduFeed: A Social Feed to Engage Preliterate Children in Educational Activities.” ACM annual conference on Computer Supported Collaborative Work (CSCW) 2017.

Geza Kovacs. “Effects of In-Video Quizzes on MOOC Lecture Viewing.” ACM annual conference on Learning at Scale (L@S) 2016.

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

Stanford Crowd Research, **Geza Kovacs**, Rajan Vaish, Michael Bernstein. “Daemon: A Self-Governed Crowdsourcing Marketplace”. ACM Symposium on User Interface Software and Technology (UIST) 2015, Poster.

Geza Kovacs. “FeedLearn: Using Facebook Feeds for Microlearning.” ACM annual conference on Human Factors in Computing Systems (CHI) 2015, Extended Abstracts.

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

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.