Geza Kov	<i>l</i> acs	
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EDUCATION	Stanford University Massachusetts Institute of Technology	PhD BS+MEng	Computer Science Computer Science	GPA: 4.0/4.0 GPA: 5.0/5.0	2013 – now 2008 – 2013	
Industry Experience	Microsoft Research – Research Intern, R Microsoft Research – Research Intern, B		*		Summer 2015 Summer 2014	
	Google Research – Software Engineering Intern, Mountain View Summer 2013 Developed a machine learning system for detecting taps on the phone bezel, for use in Android input methods.					
	Google – Software Engineering Intern, Mountain View Summer 2012 Developed an NLP system to detect vocabulary and generate glossaries from book text (used MapReduce).					
	Google – Software Engineering Intern, M Developed a machine learning system to p		ality of user reviews, r	now deployed on	Summer 2011 Google Play.	
	Microsoft – Software Development Engin Google – Summer of Code – worked on F			•	Summer 2010 Summer 2009	
RESEARCH HIGHLIGHTS	Large-scale Data Science Experiments HabitLab is an online experimentation pl PhD at Stanford. I have used it to conduct • Predicted changes in users' interven • Analyzed time redistribution effects • Analyzed effects of rotating interve • Personalized interventions to each u • Predicted time spent on webpages, b Effects of In-Video Quizzes on MOOC Le • A large-scale data mining analysis	atform with <i>I</i> a variety of dation preference caused by intions on effective based on brows ecture Viewing	2,000+ daily active usual at a science experiment es over time (using LS terventions (using mixicity eness and attrition effectiveness (using resing visit history data (g – published at Learn	sers that I developed the and machine of TM networks; I wed models; R/P (cox regression einforcement leading random for the arrangement of the arr	oped during my learning work: Python/PyTorch) ython/SciPy) and LMM; R) arning; Python) orests; Python/H2O)	
Open counce	analyzing effects of in-video quizzes	s on users' vid	eo viewing and seekin	g behavior (Pyth	on/Hadoop/Pandas)	
OPEN-SOURCE PROJECTS	UNetbootin (LiveUSB Creator) – http:// 40 million downloads. UNetbootin creates		B flash drives for vari		distributions.	
	Ubuntu Installer for Windows (Wubi) https://en.wikipedia.org/wiki/Wubi_(software) Now part of Ubuntu. Built the first versions of Wubi, which allows Ubuntu to be installed from Windows.					
TEACHING EXPERIENCE	Natural Language Processing (6.863) at Human Computer Interaction Research (C Understanding Users (CS 377U) at Stanfo	CS 376) at Star	nford – Teaching Assi	stant	Fall 2012 Fall 2018 Spring 2019	
RELEVANT COURSEWORK	Deep Learning (CS 230), Natural Language Processing (6.864, 6.863), Artificial Intelligence (6.034), Data Mining (CS 224w), Statistical Models (6.804), Bioinformatics (6.047), Algorithms (6.006, 6.046), Statistics (18.440), Linear Algebra (18.700), HCI (6.803), Linguistics (24.900), Security (6.857), Compilers (CS 143)					
SKILLS AND TECHNOLOGIES	Programming: Python, R, JavaScript, Java, C, C++, C#, Scala, Ruby, CoffeeScript, LiveScript, Haskell, Bash Machine Learning: PyTorch, scikit-learn, Keras, TensorFlow, Deep Learning (RNN/LSTM/CNN/GAN), RL Natural Language Processing: NLTK, skip-grams, word2vec, GloVe, Attention Networks, HMM, PCFG Data Mining: NumPy, SciPy, Pandas, NetworkX, Hadoop, MapReduce, H2O, SQL, NoSQL (MongoDB/Redis) Data Science: Mixed models, Survival analysis, Experiment design, A/B testing, Multi-armed bandits, mTurk Data Analysis: Jupyter, RStudio, D3.js, ggplot2, Plotly, Bokeh, matplotlib, clustering, sentiment analysis Full-Stack Engineering: Node.js, Flask, MongoDB, Redis, PostgreSQL, Flow, TypeScript, Webpack, EC2 Web / Mobile: HTML/CSS/JS, Polymer, React, Android (Java, Cordova, NativeScript), Responsive Design					
AWARDS AND HONORS	Stanford Human-Centered AI Grant (for r National Defense Science and Engineerin National Science Foundation Graduate Re 1 st place, Most Useful, ACM UIST (User I 1 st place, ACM CHI (Conference on Human 1 st place, MIT Autonomous Robotics Con	g Graduate Fe esearch Fellow Interface Softwa Factors in Con	ellowship, 2013 vship, 2013 are and Technology) Stu nputing Systems) Stude	ident Innovation		

JOURNAL AND CONFERENCE PAPERS **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.

PEER-REVIEWED EXTENDED ABSTRACTS Stanford Crowd Research, **Geza Kovacs**, Rajan Vaish, Michael Bernstein. "Daemo: A Self-Governed Crowd-sourcing 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.