Geza	Kovacs
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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	•						
	Google Research – Software Engineering Intern, Mountain View Summer 201 Developed a machine learning system for detecting taps on the phone bezel, for use in Android input method Google – Software Engineering Intern, Mountain View Summer 201 Developed an NLP system to detect vocabulary and generate glossaries from book text (used MapReduce). Google – Software Engineering Intern, Mountain View Summer 201 Developed a machine learning system to predict the quality of user reviews, now deployed on Google Play.						
	Microsoft – Software Development Engir Google – Summer of Code – worked on F			-	Summer 2010 Summer 2009		
RESEARCH HIGHLIGHTS	 Large-scale Data Science Experiments for Behavior Change – published at CHI 2019 and CSCW 2018 HabitLab (habitlab.stanford.edu) is an online experimentation platform with 12,000+ daily active users that I built over my PhD. I have used it to conduct a variety of data science experiments and machine learning work: 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 mining analysis of Coursera's in-video interaction logs in Machine Learning courses, 						
OPEN-SOURCE	analyzing effects of in-video quizzes UNethootin (LiveUSB Creator) – http://				_		
PROJECTS 40 million downloads. UNetbootin creates bootable USB flash drives for various (50+) Linux distrib							
	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	istant	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), Statistics (18.440), Linear Algebra (18.700), Security (6.857), Bioinformatics (6.047), HCI (6.803), Algorithms (6.006, 6.046), Linguistics (24.900), 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, Visualization (D3.js/ggplot2/Plotly/Bokeh), 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 Engineering 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 Conference on Human 1 st place, MIT Autonomous Robotics Conference	g Graduate Fe esearch Fellow Interface Softwa Factors in Con	ellowship, 2013 Arship, 2013 are and Technology) Stu Apputing Systems) Stude	udent 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.