Dan Iter

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(917) 386 - 4462

Education:

2016-Present Stanford University

- PhD in Computer Science from Fall 2017
- Advised by Prof. Dan Jurafsky - NLP Lab
- Research in Natural Language Processing, Machine Learning, and Serverless Computing with Alon Halevy, Prof. Chris Re and Prof. Keith Winstein
- MS in Computer Science (2016-2017)
- MSCS Specialization in Artificial Intelligence

2007-11 Columbia University, School of Engineering and Applied Sciences

- B.S. in Computer Science, researche advisor : Luis Gravano
- 3.96 GPA (4.023 Major GPA)
- Academic honors: Summa Cum Laude, Russell C. Mills Award for Excellence in Computer Science, Dept. of CS Outstanding Academic Achievement and Scholarship Award

Research Experience/ Publications:

2016-17 Research Assistant to Prof. Chris Ré at Stanford University

- Paroma Varma, Dan Iter, Christopher De Sa, Christopher Ré, "*Flipper: A Systematic Approach to Debugging Training Sets*". HILDA@SIGMOD 2017
- Paroma Varma, Rose Yu, Dan Iter, Christopher De Sa, Christopher Ré, "*Socratic Learning: Empowering the Generative Model*," arXiv:1610.08123
- Stefan Hadjis, Ce Zhang, Ioannis Mitliagkas, Dan Iter, Christopher Ré, "*Omnivore: An Optimizer for Multi-device Deep Learning on CPUs and GPUs*," arXiv:1606.04487

2010-2011 Information Retrieval in Social Media

- Hila Becker, Dan Iter, Mor Naaman, Luis Gravano, "*Identifying Content for Planned Event Across Social Media Sites*", WSDM '12
- Hila Becker, Feiyang Chen, Dan Iter, Mor Naaman, Luis Gravano, "*Automatic Identification and Presentation of Twitter Content for Planned Events,*" (ICWSM '11) Weblogs and Social Media, demo paper

Employment Experience:

June - August 2017 Recruit Institute of Technology

Research Intern

- Building an ontology of happy moments in HappyDB
- FrameIt - A system for exploring large text datasets through framing and rapid semantic role labeling

July 2015 - December 2015 Intel

Research and Development Engineer

- Evaluated various machine learning algorithms on new highly parallel processing architecture
- Profiled algorithms on simulated hardware and consulted on architecture design based on bottlenecks and data access patterns

July 2012 - July 2015 Infinio

Software Engineer

- Contributed to custom Virtual Host Bus Adapters and Path Selection Policy modules for supporting iSCSI storage acceleration in VMWare hypervisor.
- Worked across the stack (Java web application and C++ backend engine) to support acceleration of ESXi host servers without local hard drives. Modified our custom Ubuntu VM to run entirely in memory.
- Designed and implemented our cross platform installer using Python, Qt WebKit, Javascript, HTML and CSS.
- Worked across the full stack of company technology including, java (Spring web MVC), C++ engine, python scripting and applications, C kernel modules, CI tools (Jenkins) and UI (Javascript/HTML/CSS)

July 2011 – July 1012 Microsoft – SQL Server

Software Development Engineer

- Shipped SQL Server 2012 (Denali), contributing to Power View, Report Builder 3.0, Business Intelligence Development Studio
- Main feature work in Power View Map visualization

2008-2010 JP Morgan Chase – Investment Bank, Private Bank and Private Equity

Technology Analyst Summer Intern- Developer and Business Analyst

- Analysis for Pre-Trade Analytics Technology Group
- Streaming data parsing and visualization
- Development and QA of Middle Office Hedge Fund Trading Tool
- Eliminated 80% of outstanding items in ledger reconciliation, private equity funds

Unpublished Work:

- D Iter, J Huang, M Jermann, "Generating Adversarial Examples for Speech Recognition", 2017 http://web.stanford.edu/class/cs224s/reports/Dan_Iter.pdf
- H Ehrenberg, D Iter, "Ensembling Insights for Baseline Text Models", 2017 https://web.stanford.edu/class/cs224n/reports/2758157.pdf
- D Iter, J Kuck, P Zhuang, "Target Tracking with Kalman Filtering, KNN and LSTMs", 2016 http://cs229.stanford.edu/proj2016/report/IterKuckZhuang-TargetTrackingwithKalmanFilteringKNNandLSTMs-report.pdf
- D Iter, "Image Classification using Transfer Learning from Siamese Networks based on Text Metadata Similarity" 2016 http://cs231n.stanford.edu/reports/2016/pdfs/360_Report.pdf

Leadership & Extracurricular:

- Intel Machine Learning Student Ambassador
- Stanford Community Associate
- ENGAJ Fellow
- Volunteering - Organized and participated in volunteering for adults with disabilities, senior citizens, community gardening and general community building in San Fransisco and Boston and Tel Aviv
- Teachers Assistant – Intro to CS, CS Theory, Data Structures and Algorithms
- (2004- 2007) Collaborated with The Museum of Jewish Heritage to conduct research and manage artifacts at Bronx Science Holocaust Museum