

Nicholas FitzGerald

University of Washington
Computer Science and Engineering
Paul G. Allen Center
Seattle, WA 98195

Phone: (206) 280-9232
Email: nfitz@cs.washington.edu
Homepage: <http://nfitz.net/>

Education

Final-year Ph.D. student, Computer Science, University of Washington.

NSERC Postgraduate Fellowship (2013 – 2017)

Advisor: Dr. Luke Zettlemoyer

M.Sc. Computer Science and Engineering, University of Washington, 2014.

B.Sc. with Distinction, Cognitive Systems (Computational Intelligence and Design), University of British Columbia, 2011.

Research

Interests: *Transfer learning, Grounded Language, Natural Language Processing, Artificial Intelligence*

Current

Luke Zettlemoyer's Group (University of Washington)

2011 - present

Advisor: Dr. Luke Zettlemoyer

Joint models of language and perception for Grounded Language Acquisition.

Past Appointments

Allen Institute for Artificial Intelligence

Winter 2018

Deep learning models for QA-SRL.

Google (SAFT Team, Google Research NYC)

Summer 2014 and Summer 2015

Advisor: Dr. Dipanjan Das

Distributed Representations for Argument Identification in Semantic Role Labelling.

Laboratory for Computational Intelligence - Computational Linguistics Group (University of British Columbia)

Summer 2009 - 2011

Advisor: Dr. Giuseppe Carenini

Automatic Abstractive Summarization of Web Textual Content.

Wellcome Trust Centre for Cell Biology (University of Edinburgh)

Summer 2008

Advisor: Dr. Michael Tyers

Developed prototype web-based molecular data-mining application.

Publications

Conference Proceedings

FitzGerald N., Michael J., He L. and Zettlemoyer L. (2018) Large-Scale QA-SRL Parsing, *Association of Computation Linguistics (ACL 2018)*. Melbourne, Australia.

Levy O., Lee K., FitzGerald N. and Zettlemoyer, L. (2018) Long Short-Term Memory as a Dynamically Computed Element-wise Weighted Sum, *Association of Computation Linguistics (ACL 2018)*. Melbourne, Australia.

FitzGerald N., Täckström O., Ganchev G. and Das D. (2015) Semantic Role Labeling with Neural Network Factors, *Empirical Methods in Natural Language Processing (EMNLP 2015)*. Lisbon, Portugal.

FitzGerald N., Artzi Y., and Zettlemoyer L. (2013) Learning Distributions over Logical Forms for Referring Expression Generation, *Empirical Methods in Natural Language Processing (EMNLP 2013)*. Seattle, WA, USA.

Matuszek C.*, FitzGerald N.*, Bo L., Zettlemoyer L., and Fox D. (2012) A Joint Model of Language and Perception for Grounded Attribute Learning, *International Conference on Machine Learning (ICML 2012)*. Edinburgh, Scotland.

FitzGerald N., Carenini G., Murray G. and Joty S. (2011) Exploiting Conversational Features to Detect High-Quality Blog Comments, *Canadian Conference on Artificial Intelligence*. St. Johns, Newfoundland.

Tutorials

Artzi Y., FitzGerald N., and Zettlemoyer L. (2015) Semantic Parsing with Combinatory Categorical Grammars, *Association for the Advancement of Artificial Intelligence (AAAI 2015)* (AAAI 2015). Lisbon, Portugal.

Artzi Y., FitzGerald N., and Zettlemoyer L. (2014) Semantic Parsing with Combinatory Categorical Grammars, *Empirical Methods in Natural Language Processing (EMNLP 2014)*. Doha, Qatar.

Artzi Y., FitzGerald N., and Zettlemoyer L. (2013) Semantic Parsing with Combinatory Categorical Grammars, *Annual Meeting of the Association of Computational Linguistics (ACL 2013)*. Sofia, Bulgaria.

Workshops

Matuszek C., FitzGerald N., Herbst E., and Fox D. (2012) Interactive Learning and its Role in Pervasive Robotics, *ICRA 2012 Workshop on the Future of HRI*. St. Paul, MN, USA.

Conati C., Carenini G., Harati M., Toker D., FitzGerald N., Flagg A. (2011). User-Adaptive Visualizations: Can Gaze Data Tell Us When a User Needs Them? *AAAI-11 Workshop on Scalable Integration of Analytics and Visualization*.

FitzGerald, N., Carenini, G. and Ng, R. (2010). ASSESS: Abstractive Summarization System for Evaluative Statement Summarization, *North-West Natural Language Processing Workshop 2010*. Redmond, WA.

Awards and Honours

NSERC Postgraduate Fellowship PGS-D (2013-2017)

Intel Science and Technology Center Fellowship (2011-2013)

Computing Research Association Outstanding Undergraduate Research Award 2011 (Honourable Mention)

UBC Go Global International Travel Award 2010 - *to attend Universitas 21 International Undergraduate Research Conference in Melbourne, Australia.*

Most Imaginative Research Award - *Universitas 21 International Undergraduate Research Conference in Melbourne, Australia.*

UBC Dean's List - 2009, 2010 and 2011

UBC Computer Science Teaching Assistant Award 2010

UBC Trek Excellence Award 2008-2009

Teaching Experience

Courses TAed For

At University of Washington:

CSE 517: Natural Language Processing

At University of British Columbia:

CPSC 101: Connecting with Computer Science

CPSC 121: Models of Computation

CPSC 213: Introduction to Computer Systems

COGS 200: Introduction to Cognitive Systems

COGS 303: Research Methods in Cognitive Science

Last updated: April 20, 2018

<http://nfitz.net/CV.pdf>