

Benjamin Englard

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EDUCATION

Thiel Fellowship June 2014 - Present
University of Michigan Computer Science Engineering and Mathematics

WORK

JUNE 2014 PRESENT	Founder MyTE MyTE is building VR/AI based training tools. After beginning as virtual classroom AI for teacher training, MyTE is now expanding into a platform for building novel training applications for any industry. For MyTE I have built and deployed novel and potentially patentable dialogue systems, browser based graphics, vision, and simulation systems, and content management systems.
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RESEARCH

JUNE 2014 PRESENT	Independent My main research interest at this time is: novel uses of/architectures for neural networks, with applications to natural language processing and computer vision. I am specifically interested in trainable memory models, recurrent models of vision, and deep reinforcement models.
JANUARY 2012 JANUARY 2013	Independent http://arxiv.org/abs/1301.3547 Applied a method of literary analysis to problems in Natural Language Processing and developed novel solutions to several open problems.
JUNE 2012 AUGUST 2012	Florida International University High Performance Database Research Center Designed and implemented a Spatial Autocorrelation system, the first prototype of what will eventually become the TerraFly Spatial Analysis toolset.
JUNE 2011 AUGUST 2011	University of Florida Advanced Computing and Information Systems Laboratory Designed, implemented, untested, and simulated the message recovery system for a Peer-to-Peer alternative to Twitter, Litter. Worked remotely updating the Litter web interface.

AWARDS

University of Michigan College of Engineering	Engineering Scholarship of Honor
Intel Science Talent Search	Outstanding Research Paper
University of Michigan Class of 1931	1931E Scholarship

PROJECTS & LANGUAGES & INTERESTS

Selected Projects	MyTE_NLP - RNN, RL, NLP libraries built on torch7 waffle - Fast, asynchronous web framework for Lua/Torch vidAlo - NLP/CV based video search engine HoloHat - DIY augmented reality syntorch - graph computation library, capable of easy expression of neural nets symnn - neural network library built on top of syntorch Paradigm - Mobile Distributed Computing Know - Natural Language Processing for personality trait discovery and ad-hoc recommendation system <i>Many more projects and open source contributions can be found on my GitHub page.</i>
Languages	Python, Lua, C++, JavaScript (used daily) C, CUDA, Java, C#, Swift, PHP, Matlab (used occasionally)
Interests	Artificial Intelligence (natural language processing, computer vision, robotics) Programming Languages Computer graphics/virtual reality Neuroscience/Psychology Quantum Physics Web development