

Thomas Manzini
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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Masters - Language Technologies (proj. 2018)

Honors: School of Computer Science – Dean's Masters Advisory Council (2016-present)

Rensselaer Polytechnic Institute, Troy, NY

BS - Computer Science, Cum Laude - 2016

Honors: Stanley I. Landgraff '46 Award - Excellence in leadership and academic achievement (2016)

RPI Phalanx Senior Leadership Honor Society (2015-2016)

President - Upsilon Pi Epsilon Computer Science Honor Society, NY Eta Chapter (2014-2016)

Co-Founder - RPI Science Undergraduate Council

Dean's List – 2012, 2013, 2014, 2015, 2016

RESEARCH

Prof. Eric Nyberg, Carnegie Mellon University – Language Technologies Institute, Pittsburgh, PA

Research Assistant – Bosch Project (2016-present)

- Project to develop a ubiquitous dialog agent spanning multiple Smart Home appliances.

Prof. James Hendler, Rensselaer Polytechnic Institute – Computer Science Dept., Troy, NY

Assistant – *Syllabub* (2014-2016)

- Published: Manzini et al. "A Play on Words: Using Cognitive Computing as a Basis for AI Solvers in Word Puzzles". *Journal of Artificial General Intelligence*. Volume 6, Issue 1, Pages 111–129, December 2015.
- Proposed, researched, and presented work involving using the IBM Watson pipeline and natural language processing (NLP) techniques to solve clues from Syllacrostic puzzles at >95% accuracy.

Assistant – *Jeopardy! Reversed* (2014-2015)

- Utilized NLP techniques to automatically generate *Jeopardy!* questions based on song lyrics.

Prof. Mei Si, Rensselaer Polytechnic Institute – Cognitive Science Dept., Troy, NY

Assistant – *RPI Social Robotics* (2013-2014)

- Developed an interactive dialogue driven campus tour guide for use on a RoboKind Zeno robot.

Contributor – *Lost Manuscript II* research project (2013)

- Project to develop an interactive story for players to practice Chinese speaking skills with virtual agents.

Prof. Ananda Gunawardena, Carnegie Mellon University – Computer Science Dept., Pittsburgh, PA

Contributor – *Classroom Salon* research project (2011)

EMPLOYMENT

Pinterest, San Francisco, CA

Intern – Software Engineer, Ads Ranking/Billing Team (summer 2016)

LinkedIn, Mountain View, CA

Intern – Software Engineer, Digits – Growth and Lifecycle Team (summer 2015)

Bloomberg L.P., New York, NY

Consultant – Software Engineer, Fixed Income – Relative Value/Search Team (fall 2014-spring 2015)

Intern – Software Engineer, Fixed Income – Relative Value/Search Team (summer 2014)

Hover Inc., Los Altos, CA

Intern – Software Engineer, The Prometheus Project (summer 2013)

MGM Resorts International, Las Vegas, NV

Intern – Software Engineer for MGM Resort's for touch screen applications (summer 2012)

Microsoft Innovation Center/Linq360, Las Vegas, NV

Intern – Information Technology (summer 2011)

VOLUNTEER & COMMUNITY SERVICE

RPI Ambulance, Troy, NY (2012-2016)

Captain (Elected 2014-2016)

NY State EMT-B Certification (valid 2013-2019)

RPI Science Ambassadors, Troy, NY (2014-2016)

Selected to present STEM topics to grade school students in the NY Capital Region.

President's Lifetime Achievement Award (2015) - Awarded by President Obama for >4,000 hours service.