

John W. Hall

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Github: <https://github.com/halljw>

EDUCATION

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| M.S. in Computer and Information Technology, University of Pennsylvania ,
Philadelphia, PA | May 2019 |
| M.A. in Linguistics, University of Illinois , Champaign, IL
<i>Major area: Computational Linguistics</i> | May 2017 |
| B.A. in Biomedical Engineering, Vanderbilt University , Nashville, TN | May 2012 |

AWARDS AND FELLOWSHIPS

Graduate Fellowship – award providing educational training in the Linguistics Department of UI
Cornelius Vanderbilt Scholar – Full tuition academic scholarship including research stipend

TEACHING EXPERIENCE

Instructor, University of Illinois, Champaign, IL Jan. to May 2016

Ling 270: “Language, Technology, and Society”

- Instructor for 25+ undergraduate-level students in lecture format pertaining to historical and modern language technologies and their social implications
- Led lecture and discussion of international writing systems and technologies with a focus on technical details, big-picture functions, and long-term ramifications for human-machine interactions
- Constructed relevant course material including lesson plans, assignments, quizzes, and examinations

Classroom Instructor and Tutor, The Princeton Review, Washington, DC Jan. 2012 to Present

- Prepared lesson plans and lectured a combined 1300+ hours in small classroom settings, private tutoring sessions, and online classrooms
- Outlined and presented full range of science content according to a college-level syllabus including physics, general chemistry, organic chemistry, and biology
- Instructed post-graduate, college, and high school pupils on effective problem solving strategies for improving performance in college courses and on standardized tests including the MCAT and SAT

WORK EXPERIENCE

Biomedical Patent Examiner, Patent and Trademark Office, Alexandria, VA Jun. 2012 to Oct. 2013

- Represented official positions of the USPTO in corresponding with inventors and representative entities regarding the technical and legal merits of innovative technologies
- Determined whether patent applications satisfied legal requirements in accordance with US patent code and presented arguments in favor of or against the legality of applications
- Evaluated whether invention specifications met written and descriptive requirements such that a person of ordinary skill in the art would appreciate the metes and bounds of the claimed invention
- Explained the legal restrictions of the patent code and composed legal actions guiding intellectual property applications towards allowance

Undergraduate Researcher, Vanderbilt University, Nashville, TN Aug. 2011 to Dec. 2011

Advanced Therapeutics Laboratory

- Conducted laboratory research and directly assisted PhD candidate developing smart polymeric carriers for breast cancer therapeutics

Summer Research Scholar, Penn State Medical Center, Hershey, PA May 2010 to Aug. 2010

- Assisted MD/PhD candidate with the full scope of research developing biomaterials inhibiting implant-initiated coagulation of blood through independent and collaborative efforts
- Mentored high school students participating in programs hosted by the biomaterials department