LISA F. BAUER

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EDUCATION

UNC Chapel Hill — Fall 2017 - Present
2nd year Ph.D student in Computer Science — *Chapel Hill, NC*
Research Area: Natural Language Processing, Advisor: Prof. Mohit Bansal

Johns Hopkins University — Fall 2012 - Winter 2016
B.A in Computer Science, Cognitive Science (*concentrations: computation, linguistics*) — *Baltimore, MD*

PUBLICATIONS AND PRESENTATIONS

- Commonsense for Generative Multi-Hop Question Answering Tasks
  Lisa Bauer*, Yicheng Wang*, and Mohit Bansal
  Proceedings of EMNLP 2018.
  *Equal Contribution

- Automatic Classification of Humpback Whale Social Calls
  Irina Tolkova*, **Lisa Bauer***, Antonella Wilby, Ryan Kastner, Kerri Seger, Aaron Thode
  Acoustical Society of America Conference, Boston, MA. 2017.
  *Equal Contribution

NSF REU, Summer 2016
Presented REU research at the 2016 Meeting of the Minds (SoCal NSF CISE REU) annual conference at UCLA, to UCSD E4E collaborators at the San Diego Zoo's Institute for Conservation Research, to COSMOS as outreach to talented youth in mathematics and science, to guests from various institutions including Qualcomm Research, Scripps Institution of Oceanography, and GoPro, and to the E4E research group for weekly internal updates.

AWARDS

NSF Graduate Research Fellowship — 2018

SKILLS

Technical
Programming Languages: Python, Java, C/C++, Perl, R
Deep Learning: Tensorflow
Misc: Mechanical Turk, IPython notebook, LaTeX, some AWS

Natural Languages
English, German (native)
Italian (intermediate)
Spanish (beginner)
French (IB Certificate)

RESEARCH EXPERIENCE

JHU Center for Language and Speech Processing — Spring 2017
Research Assistant, Textual Choreography Lab — *Baltimore, MD*
Advisor: Prof. Benjamin Van Durme
Project: Contributed improvements to PredPatt, a predicate extraction tool, by analyzing its applications to foreign language. Additionally, created sentence extraction pipeline and implementation for the corpus-annotation component of a project investigating predicate-triggered veridicality.

NSF Research Experience for Undergraduates (Engineers for Exploration) — Summer 2016
UCSD, Dept. of Computer Science & Engineering — *San Diego, CA*
Advisor: Prof. Ryan Kastner
Project: Designed, implemented, and applied a supervised classification algorithm using Hidden Markov Models to the classification of Humpback whale vocalizations using features derived from spectrograms.

JHU CogNeuro Research Laboratory Spring 2015 - Fall 2016
Technical Research Assistant *Baltimore, MD*
Advisor: Prof. Brenda Rapp
Project: Developed an adaptive learning algorithm for spelling correction as a scoring function to increase the efficiency of an aphasia treatment study for patients who have spelling deficiencies.

WORK EXPERIENCE

Johns Hopkins Applied Physics Laboratory Summer 2015
Technical Intern *Laurel, MD*
Air and Missile Defense Sector in Advanced Concepts and Technologies Group
Project: Developed C software for PCI communication between components of Kill Vehicle Modular Open Architecture (KVMOA) and published API Instructions to the KVMOA SharePoint site. Also developed a C++ wrapper GPS model compliant with the Missile Defense Agency's supported research simulation software, allowing for data exchange with KVMOA's processor.

OUTREACH/LEADERSHIP

UNC Graduate Women in Computer Science(GWiCS) Fall 2018-Fall 2019
President *Chapel Hill, NC*

UNC SMART program Summer 2018
Undergraduate Research Mentor *Chapel Hill, NC*

United Workers Association, Inc Spring 2017
Campaign Worker *Baltimore, MD*
Canvassed, petitioned, and phone banked to support the Healthy Working Families Act for earned paid sick leave in the state of Maryland.

JHU Jail Tutorial Fall 2014 - Fall 2016
Tutor *Baltimore, MD*
Tutored incarcerated women at the Maryland Penitentiary in GED subjects including mathematics and English.