Elizabeth Lee

Contact/Personal

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Education

University of Rochester, Rochester, NY | 2017 -

Master of Science in Computational Linguistics

Expected graduation: Spring 2019

Relevant courses: *Natural Language Processing (NLP), Intro to Computational Linguistics, Machine Learning, Data Science for Linguistics, Logical Foundations of AI, Tools for Language Documentation*

University of Florida, Gainesville, FL | 2012 - 2016

Bachelor of Arts in Linguistics, Magna Cum Laude, May 2016

Thesis: "The Effects of Segmentation on the Processing of Binomial Expressions"

Minor in East Asian Languages and Literatures: Japanese

Relevant courses: *Applications of Discrete Structures, Programming for CIS Majors 1, Programming Fundamentals II*

Interests

Natural language processing, software development, machine learning, data analysis, semantics, second-language acquisition

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Work Experience

Graduate Research Assistant, Quantitative Semantics Lab at UR | 2018 -
- Writing and editing scripts primarily in Python to process large amounts of corpus data
- Collaborating with students in linguistics and computer science
- Using results of error analyses to find and fix issues in code and increase accuracy of generated data
- Implementing third-party code to add new features to datasets

Teaching Assistant for Intro to Semantic Analysis, University of Rochester | Fall 2018
- Helped students better understand the course and the material through electronic correspondence or one-on-one meetings
- Gave lectures when professor was away
- Graded course assignments

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Laboratory Assistant, National High Magnetic Field Laboratory at FSU | Summer 2012, 2013
- Prepared samples for microanalysis (polishing, ion milling, other miscellaneous tasks)
- Edited images using Photoshop
- Created slideshow presentations to present research findings

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Computer Skills

Programming/Coding
- Coded several small projects for coursework or personal use in **C++**, **Java**, **Lisp**, and **Python**
- Practiced **Haskell**, **MATLAB**, **MIPS**, **R**, **Ruby**, and **SQL** through coursework or self-study
- Created personal website from scratch with **HTML**, **CSS**, and **JavaScript** (elizlee.github.io)
- Made simple apps in Android Studio

Software/Misc.
- Annotated and documented natural language data (Praat, ELAN, FLEx)
- Used game engines to create simple games (RPG Maker, RenPy)
- Created and edited videos (WMM, YouTube)
- Edited audio files (Audacity, Melodyne)
- Modeled virtual 3D objects (AutoCAD, SolidWorks, SketchUp)
- Edited images and created digital art (Adobe Photoshop, PhotoScape, Paint.NET)

Involvement

Undergraduate Research Assistant, Brain and Language Lab at UF | 2015 - 2016
- Researched and gathered materials for linguistics experiments
- Edited scripts in Python and R such that they were appropriate for use in different projects
- Ran a psycholinguistics experiment as the basis for an undergraduate thesis which was awarded with high honors
    - Gathered materials through COCA (Corpus of Contemporary American English)
    - Scheduled appointments with participants
    - Recorded and analyzed data using Microsoft Office, E-Prime, and RStudio

UF Computational Linguistics Club | 2015 - 2016
- Learned how to use Python's Natural Language Toolkit (NLTK)

Japanese Club at UF | 2012 - 2016
- Treasurer | 2015 - 2016
    - Kept track of club's budget and efficiently used funds
    - Organized the Spring Festival Fashion Show
- Creative Director | 2014 - 2015
    - Taught students how to make Japanese-themed crafts
    - Obtained and created decorations for club events
- Co-Dance Team Coordinator | 2013 - 2014
    - Choreographed and taught Japanese dances for performances

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Kakehashi Project (promoted by Japan's Ministry of Foreign Affairs) | December 2015
- Selected to participate in a youth exchange program from a pool of applicants
- Visited several locations in Japan, interacted with Japanese university students, and participated in homestay
- Prepared slideshows for our school's presentations
- Wrote a blog about our experiences in Japan (konnichiwagatordesu.tumblr.com)

Projects

"Positive anymore" project for Data Science for Linguistics (Spring 2018)
- Worked with a team of three on a project regarding the use of positive anymore across geographic regions
- Extracted instances of positive anymore by web scraping form geographically associated subreddits

"Class Escape" for Programming Fundamentals II (Fall 2014)
- Collaborated with a team of five to create simple video game in C++
- Compromised on development plans through the course of several in-person and Skype meetings
- Introduced the team to SFML and ultimately used it in the game's development

Publications

Kametani, F., **Lee, E. G.**, Shen, T., Lee, P. J., Jiang, J., Hellstrom, E. E., and Larbalestier, D. C. "**An Explanation of How Split Melt Processing Can Enhance the Critical Current Density of Bi2212 Round Wires Based on Examination of Bubble Size and Density Formed in the Melt**" *Superconductor Science and Technology* 27, no. 5 (2014): 055004.

Foreign Languages

Japanese
- Studied Japanese for six semesters
- Member of the Japanese National Honor Society - College Chapter (2016)
- Elementary proficiency

Mandarin Chinese
- Studied Chinese for two semesters
- Elementary proficiency