Elizabeth Lee

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Contact/Personal

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Website	elizlee.github.io

Interests

Machine learning, NLP, data analysis, semantics, second-language acquisition

Education

University of Rochester, Rochester, NY 2017—
Master of Science in Computational Linguistics
Expected graduation: Spring 2019

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 Coursework

Machine Learning – Spring 2018
- Learning and applying the mathematics behind classification, regression, and decision making
- Experimenting with basic machine learning algorithms through Python scripts

Data Science for Linguistics – Spring 2018
- Exploring and analyzing language data through Python and R
- Will complete a linguistic data analysis project

Logical Foundations of AI – Fall 2017
- Learned foundational topics in artificial intelligence such as first-order logic, knowledge representation, and probabilistic inference
- Wrote programs in Lisp that accomplished tasks relevant in AI such as information storage and retrieval, relation manipulation, and planning

Programming Fundamentals 1 & 2 – Spring 2013 / Fall 2014
- Learned and applied basic concepts in programming with Java and C++ (classes and hierarchies, conditionals, loops, arrays, hashmaps, function calls, recursion, linked lists)
- Worked with a team to develop a simple video game in C++ employing SFML

Computer Skills

Programming/Coding
- Coded several small projects in as coursework or for personal use in C++, Java, Lisp, and Python
- Practiced JavaScript, MATLAB, MIPS, R, and SQL through coursework or self-study
- Created personal website from scratch (elizlee.github.io)

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

Brain and Language Lab at UF – Undergraduate Research Assistant 2015—2016

- Researched and gathered materials for linguistics experiments
- Edited scripts in Python and R
- Ran a psycholinguistics experiment
    - Gathered materials through COCA (Corpus of Contemporary American English)
    - Scheduled appointments with participants
    - Recorded and analyzed data using Microsoft Office, E-Prime, and R Studio

UF Linguistics Society 2014—2016

UF Computational Linguistics Club 2015—2016

- Learned how to use Python's NLP Toolkit

Japanese Club at UF 2012—2016

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

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)

Work Experience

National High Magnetic Field Laboratory – Laboratory Assistant Summer 2012, 2013

- Prepared samples for microanalysis (polishing, ion milling, other miscellaneous tasks)
- Edited images using Photoshop
- Created slideshow presentations to present research findings

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)
- Intermediate-level reading and speaking ability

Mandarin Chinese

- Studied Chinese for two semesters
- Elementary-level reading and speaking ability