# Reese Porter

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## About

Undergraduate linguistics and computer science student with a love of data structures and algorithms, syntax, and psycholinguistics. Excited about programming and language, especially when combined.

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| **Education** | **University of Florida** | Spring 2020 |
| | BACHELOR OF ARTS | |

Double-major in Linguistics and Spanish
Minor in Computer Science
Certificate in Teaching English as a Second Language

**Skills**

Languages:   *Python, C++, Java, R, HTML & CSS, ARMv8 Assembly*
Tools:   *spaCy, NumPy, Pandas, tidyverse, bash, git, LaTeX*
Natural Languages:   *English (native), Spanish (fluent), Portuguese & French (basic)*
Operating Systems:   *MacOS, Linux, Windows*

**Selected Projects**

**Dijkstra's & Kruskal's algorithm**
CLASS PROJECT

C++ implementation of adjacency-matrix graph, Dijkstra's algorithm, and Kruskal's algorithm for data structures and algorithms class.

**ARMv8 dissassembler/simulator**
CLASS PROJECT

C++ implementation of ARMv8 binary dissassembler and simulator.

**Address web scraping**
VOLUNTEERING PROJECT

Python implementation of web scraper to collect contact information for hundreds of churches in the state of Florida.

**Research Assistant**
BRAIN AND LANGUAGE LAB, UNIVERSITY OF FLORIDA

Analyzed EEG and behavioral data using Python, R, and MATLAB.

**L2 speaker linguistic complexity parser**
CLASS PROJECT

Python implementation of dependency parser to analyze natural language data.

**Relevant Coursework**

Data Structures and Algorithms:   *Algorithm development/use, data structure use/manipulations*
Computer Organization:   *Machine representation of instructions and data, flow of control*
Methods in Psycholinguistics:   *R for data science, experimental paradigm design/implementation*
Brain and Language:   *Brain imaging techniques, semantic representation, auditory perception, etc.*
Structure of Human Language:   *Morphology, syntax*
Spanish Morphosyntax:   *Generativist syntax, X-bar theory*

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| **Experience** | **Research Assistant** | July 2018 - December 2019 |
| | BRAIN AND LANGUAGE LAB, UNIVERSITY OF FLORIDA | |

Analyzed EEG and behavioral data using Python, R, and MATLAB. Recorded EEG data, carried out psycholinguistic experiments, trained research assistants in EEG and behavioral experimental techniques.

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| Experience | **English Language Instructor** | January 2019 - April 2019 |
| | ENGLISH LANGUAGE INSTITUTE, UNIVERSITY OF FLORIDA | |

Developed lessons and presentation while co-teaching a high-intermediate English language class to visiting scholars at the University of Florida.

**Spanish Language Instructor** — January 2017 - June 2018
FOREIGN LANGUAGE ORGANIZATION, UNIVERSITY OF FLORIDA

Taught learners Spanish on a semesterly basis using individualized lesson plans and integrating language-learning technology.

Presentations **UF Research Bazaar 2019** — September 2019
DATA SCIENCE IN THE LANGUAGE SCIENCES

Gave a brief presentation on the use of data science in quantitative language research.

Service **Internet Chair** — August 2018 - Present
CHAPEL OF THE INCARNATION, UNIVERSITY OF FLORIDA

Website maintenance and design. Coordinated social media team to cultivate an internet presence.

**St. Luke Medical Clinic, Eustis, FL** — April 2017 - August 2017
TRANSLATOR

Translated medical information for Spanish-speaking patients, and scheduled appointments for Spanish-speaking patients.

Extracurricular **Twitter bots**
HOBBY
Python implementation of various Twitter and Mastodon bots, including Markov chain based poetry, algorithmically generated art pieces, among others. (list on website)

**Psycholinguistic Reading Group @ UF**
CLUB
Weekly meetings about recent articles in linguistic research.

**Brain and Language Interest Group @ UF:**
CLUB
Weekly presentations about neurolinguistic research.

Awards
Florida Bright Futures Academic Scholar   *Florida scholarship for high academic achievement.*
UF CLAS Dean's List   *University Award for maintaining an above-average GPA.*
Lake County Gator Club Scholar   *Scholarship for high academic achievement.*