Salvador Aguinaga

Profile: LinkedIn

Summary: PhD in computer science (May 201) now working in natural language, semantic and conceptual relativity text graphs building explainable AI graphs and ML algorithms.

Education

University of Notre Dame **May, 2018**

Dissertation Title: *Generating Networks by Learning Hyperedge Replacement Grammars*

Advisor: Tim Weninger

Professional Experience

Kyndi **Cognitive Memory Lead Engineer** San Mateo, CA (2017 –)

I work on graph engine indexing, natural language understanding, knowledge representation, concept graphs, logical reasoning, linguistic analysis, and statistical machine learning around models for text and documents.

Argonne National Lab **Graduate Researcher** Lemont, IL (08/2017 to 09/2017)

Machine learning models design of recurrent neural networks to learn patterns for large-scale computing applications. I left Argonne to work at Kyndi.

Publications, Patents, Coding

Computer Science Papers Google Scholar (complete list)

S Aguinaga, D Chiang, and T Weninger, Learning Hyperedge Replacement Grammars for Graph Generation, IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018

Patents

US 7522614 B1 4/29/2009

US 6977821 B2 12/20/2005

Programming Language Experience

Python: Familiar with Spark, NLP,Numpy, SciPy, Scikit-learn, NLTK, Pandas, NetworkX, iGraph, spacy, PyTorch

C/C++: Embedded, desktop, backend, worked with graphlab, graph-boost

ObjectiveC: iOS app development for mobile computing (3 years)

Java: Android mobile platforms, basic knowledge for mobile app development.

R: Data science, statistics, and data visualization (not an expert)

Databases: MySQL,SQLite, and CoreData, rocksdb, mongodb

Matlab/Octave: Apps and research tool development