SALMA Y RODRIGUEZ

CONTACT INFORMATION

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GOAL

Gain fundamental experience in econometrics and expertise in financial economics.

	May 2019 – Present Sabbatical USA
Sabbatical	Currently on a sabbatical from professional life, I am getting professional development experience in the field of econometrics, by developing statistical methods for social sciences.
Quantitative Methods	Learning methods and statistics in the social sciences.
	Nov 2014 – Apr 2016 Johns Hopkins University — Coursera
Data Science Specialization	Took nine courses covering various topics in data sciene, plus a real world capstone project (date completed: October, 2015).
	Nov 2015 – Feb 2016 IE Business School — Coursera
Economic Policymaking	This was the first of three courses on Globalization, Economic Growth and Stability specialization. This course forms the basis for current studies in economics.
	Feb 2015 – May 2015 University of Washington — Coursera
Comp. Finance & Econometrics	Learned new techniques to perform empirical studies on financial data using Excel and the R programming language.
	Sep 2014 – Nov 2014 Georgia Institute of Technology — Coursera
Computational Investing	Gained new insight from market price and volume data using technical indicators and performing event studies. Constructed a market simulator and portfolio optimizer using Numpy and Pamdas frameworks in Python for time series analysis.
	Feb 2014 - May 2014 Stanford University — Coursera
Machine Learning	Learned new techniques for statistical learning, which includes cluster analysis, regression, training, cross-validation and bootstrapping.

EDUCATION

	Aug 2009 – Dec 2020 Florida International University
B.Sc.	**Cum Laude** — Computer Science Maj — Mathematics Min
	My senior project was a research project conducted under supervision of Dr. Ming Zhao at his VISA research laboratory, to design a proof of concept prototype with the aim of improving reliability on spinning disk storage servers, using write-back persistence and replication policies on client flash storage. **Reference:** Ming ZHAO · +1 (480) 965 3190 · mingzhao@asu.edu
	Made further research and development to save power on storage servers. **Publication**: https://www.usenix.org/system/files/fastpw13-final30.pdf.

WORK EXPERIENCE

	Apr 2013 – Nov 2017 Software Engineer, IBM — Poughkeepsie
International Business Machines	Developed and tested firmware changes on the IBM Mainframe, with focus on maintaining the guaranteed level of RAS and security in the processor resource system management facility (PR/SM).
	Represented my team in process adherence and process improvement for ISO quality audits.
	Improved presentation and leadership skills via the Toastmasters International leadership organization.
	Apr 2011 – Sep 2011 Research Assistant, FIU — Miami
SCIS, Florida Int'l University	Reduced latency between query and response time for PatentsSearcher.com by changing compliance from SOAP to REST, developing an event-driven XML parser to unmarshal web service data from the European Patent Office and the US Patent and Trademark Office.

	2012 · Ana Clara Mauro Chapter Leadership Award
	2009 · Florida Hispanic Legislative Caucus Scholarship
	2008 · Dade County Public Schools Superintendent's Superior Musicianship Award
Languages	Proficient in English and Spanish
Interests	Quantitative Research · Writing · Piano · Mathematics · Public Speaking · Presenting