

Objective

Looking to obtain a position that will enable me to apply my data science skills in a technical field. I am keen to undertake a challenging role that will provide an ample opportunity for career development.

Education

MSc in Computer Science with Specialization in Artificial Intelligence and Data Mining at Uppsala University. Uppsala, Sweden (2013 – 2015).

Courses include: Artificial Intelligence, Machine Learning, Data Mining I, Data Mining II, Database Design II and Advanced Computer Architecture.

BSc in Computer Science at the University of Puerto Rico – Río Piedras Campus. San Juan, Puerto Rico (2007 – 2012).

MOOC Courses: Computing for Data Analysis (Jan '14), Getting and Cleaning Data (Aug '14), Exploratory Data Analysis (Aug '14), Statistical Inference (Sept '14), Regression Models (Sept '14), Practical Machine Learning (Sept '14), MongoDB for Developers (Mar '15).

Experience

Granditude | Graduate Student Researcher | Jan '15 – Jun '15 (Stockholm, Sweden)

My Master thesis project, titled *"Data Analysis on Hadoop – finding tools and applications for Big Data challenges"*, focused on researching and evaluating seven tools that are part of the Hadoop ecosystem. These platforms are: Drill, Flink, Hive, Mahout, Pig, Solr and Spark. Regarding these platforms, we exposed their key features, components, programming model, and architecture and compared them side by side using several parameters. For the last part of the thesis, a web log analysis was done using Spark.

Ericsson Research | Graduate Student Researcher | Sept '14 – Jan '15 (Uppsala, Sweden)

Worked on a project at Uppsala University in collaboration with Ericsson Research which consisted on developing a mobile video streaming application for Android and the infrastructure that will support the platform using Information-centric Networking (ICN) technology. My role was to design and develop the Android app which functions as a node inside the network.

Grupo Santillana | Software Developer | Jan '13 – Aug 13 (San Juan, Puerto Rico)

Created core functionalities of a proprietary Windows 8 application denoted "Digital Book". This application was designed to be able to move all the printed content (mostly educational books) to a digital and interactive experience.

Microsoft | Lead Developer Intern | May '12 – Jan '13 (Guaynabo, Puerto Rico)

Acted as lead developer on various applications for Microsoft platforms, including Windows Phone 7 and Windows 8 for clients in Puerto Rico. Speaker at different workshops and conferences related to Microsoft products. Staff for App Idol: Reloaded, an app and game development competition.

VisCenter, University of Kentucky | Software Developer - Summer 2010 (KY, USA)

Worked on the STITCH (Surgical Technology Integration with Tools for Cognitive Human Factors) Project by writing code to extract raw data from one of the tools (faceLAB) and translate it into a human readable form.

Skills

Technologies → .NET, Android, Apache Spark, Hadoop, Windows Phone SDK, Windows Store Apps and XNA

Technical Software → Hortonworks Data Platform, Unity Engine, Microsoft Visual Studio.

Programming Languages → C# (strong), Java (basic), Python (basic) and R (proficient).

Markup and Others → SQL and XAML.

Natural Languages → Fluent in written and spoken Spanish and English. Basic Swedish.

Extracurricular Activities

Member of the Computer Science Student Association, UPR Río Piedras and International Game Developers Association (IGDA).

Dancing and photography.