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# Lymari Montijo

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## Employment

Software Engineer Intern	<b>Intuit, Inc.</b> Mountain View, CA	Summer 2017 (12 weeks) (Ongoing)
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### SBG Data Engineering Team - Insights Project

- Currently contributing to a Machine Learning project for Quickbooks Online which aims to predict weekly cash flows for customers.
- Wrote YAML file parser class in Scala to refactor an existing component that takes data from internal HDFS data store using Hive and Spark Streaming and transmits messages to Apache Kafka publish and subscribe messaging system.
- Spent time researching Datastax Enterprise and Gremlin Query language and wrote complex queries for large dataset of Customer 360 data.
- Wrote classes for Small Business Group's Version 4 API to process data returned from GET calls using the queries into a Profile object class, refactored existing classes by adding yaml configuration files and reading them through a configuration service.
- Wrote python scripts to move data from internal HDFS data store into AWS S3 buckets.

Software Engineer Intern	<b>Target Corporation</b> Minneapolis, MN	Summer 2016 (10 weeks)
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### Network Now Team

- Designed and implemented look-and-feel of internal Ruby on Rails web application for Networking tools using CSS3 and Bootstrap
- Implemented responsive navigation bar with customizable drop-down menu items by using embedded Rails templates
- Developed several Rails' controllers and views along with the necessary HTTP routes for an internal web application used by other engineering teams
- Designed prototype web page for Coaching Services for Target's Engineering Practices and Onboarding team using HTML, CSS3 and Bootstrap.
- Wrote new scripts to improve company's Hubot chatbot.

## Education

San Antonio, TX	<b>University of Texas At San Antonio</b>	Expected Dec 2017
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BS in **Computer Science**, GPA 3.62 / 4.0

CS Electives: Software Engineering, Project Management, Enterprise Software Engineering, Software Testing & Quality Assurance, Intro to Cloud and Big Data

Upcoming Fall 2017: Intro to Data Science, Machine Learning

Mayaguez, PR	<b>University of Puerto Rico at Mayaguez</b>	Jan 2008-May 2012
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BS in **Civil Engineering**, GPA: 3.26 / 4.0

## Projects

- **Library Inventory System** - Independent Project - Enterprise Software Engineering course (Spring 2017). Application that keeps records of Books and Inventories across different libraries. Application supports basic CRUD operations and handles concurrent database transactions. Built using Java, JavaFX, Java Enterprise Beans and JDBC driver
- **Twitter Data Analysis using Hadoop and Hive** - Group Project - Cloud & Big Data course (Spring 2017) Data analysis project using Twitter's Streaming API to analyze major sporting event. Analysis was done using Hadoop, Spark and Hive using small cluster of 4 vms using openstack. Analysis included hashtag to country frequency, MapReduce word count and word co-occurrence matrices.
- **Jammer - Musician Matching Service** - Group Project - Project Management course (Fall 2016)  
Web service that matches musicians based on their music instruments and genres preferences, complete with friend request system, messaging, user matching cards and a basic matching algorithm. Written in Python and developed with the Django development framework. Added Messaging service API, wrote various models and templates and dealt with front-end implementation of the proposed UI designs using HTML, CSS and Bootstrap. Designed and wrote the matching card system using JavaScript.

## Skills

- **Proficient in:** Java, Python
- **Experience with:** C, JavaScript, Awk, Sed, CSS, Django, Spark, Hive, Hadoop,
- **Technologies:** Git, CLI, gdb, HTTP, Bootstrap

## Organizations

- **Society of Women Engineers** - Member since September 2015
- **Society of Hispanic Professional Engineers** – Member since August 2016
- **ACM and ACM-W UTSA chapter** - Member since Fall 2016.