

Curriculum Vitae

Personal Data

Full Name: **Daniel Antonio Llatas Spiers**.
Place of Birth: Lima, Perú.
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Portfolio: dlatas.github.io

Qualifications

2001 to 2005	Pedro Ruiz Gallo High School.
2006 to 2010	Bachelor in Systems Engineering at "Universidad Tecnológica del Perú" (UTP).
2014 to 2016	Master in Computer Sciences at Uppsala University (Sweden)

Experience

Sep 2016 - Today Intern at nventi

Nventi was awarded as one of 35 Best University of California, Berkeley Startups in 2016. Our mission is to create a platform to optimize decisions, simplify the technological transfer workflow and increase revenue. This is done through the exploration of a custom patent database.

Responsible for:

- Assist with the development of the data visualizations using D3.js with Ember.
- Assist with the migration from Elasticsearch to a new search engine to query a MongoDB.

Feb 2016 - Jun 2016 Facial emotion detection using deep learning

This project is my master thesis. It was part of the research conducted at Social Robotics Lab in Uppsala University. The main goal was to train a multi classifier on six facial emotions using deep learning techniques such as convolutional neural networks.

Responsible for:

- Research on machine learning and affective computing. A strong focus on developing machine perception by means of machine learning to improve human-machine interaction.
- Image processing of extended Cohn-Kanade dataset and video processing of Affectiva-MIT facial expression dataset using OpenCV 2.4 Python's library.
- Implementing a deep learning model using Google's TensorFlow 0.7 library. This classifier was

trained on static facial images.

- Fine tune the different parameters related to the model: network topology, learning rate, optimizers, kernel size, etc. Explore their impact on the training time and the classification accuracy.

Sep 2015 - Jan 2016 Ericsson Research: MoNAD

Project CS is a collaboration between Uppsala University and Ericsson Research. This project was aimed to develop an open source platform to optimize the use of public transportation. MoNAD stands for Mobile Network Assisted Driving.

Responsible for:

- As part of the “Look Ahead” team, my work was mainly devoted to design and to implement this module. Its goal is to generate bus timetables based on past user requests. Genetic algorithms were chosen to provide a solution. The two main reasons behind this decision were: scalability and proven experience on solving optimization problems.
- A plugin to the “Look Ahead” module that modifies the timetable based on weather conditions. Forecastio was the weather API selected to gather the information. The main idea behind this plugin is that whenever raining or snowing are detected, the bus frequency should be reduced by 50%.
- The “Look Ahead” module was implemented using Python 2.7. Especially the following libraries: DEAP, SCOOP, NumPy and PyMongo. The database used was MongoDB 3.0.7.
- Installation and configuration of MongoDB 3.0.7 and MySQL 5.6 on the test environment.
- SCRUM, an AGILE methodology, was used on project’s management.

Aug 2013 - Oct 2015 EESE data

“EESE data” is an app that helps International Labour Office (ILO) to report statistics about five contexts: macro and micro economics, institutional, environmental and social based on sources like: “Global Competitiveness Index”, “Doing Business”, “Global Enabling Trade Index”, “Human Development Index”, etc. Currently, it is being used in all the regions around the world.

Responsible for:

- Design and implementation of the database for the app. The database engine is MySQL 5.6, and MySQL Workbench 5.6 was used as the design tool. PhpmyAdmin was used to interact with the database. Nowadays, it is used to perform maintenance activities.
- Development of the “front - end” using HTML5, Bootstrap, CSS3 and JavaScript, especially JQuery and Google Charts.
- Development of the “back - end” using PHP 5.

Jan 2013 - Jul 2013 Software Developer Manager at INtratego

Utilizing Oracle Developer 10g (Oracle Forms, Oracle Reports y Oracle Designer), Oracle Database 11g and Oracle SQL Developer

Responsible for:

- Stored Procedures, Forms and Reports development of INtratego’s software team in “CECOSAMI” and “TDM” projects.
- Support to TDM’s account area to close the stocktaking of the year 2012 and the first quarter of 2013.
- To develop web services using SOAP to integrate INtratego’s Custom ERP with CRM VTiger.
- To develop policies and standards to manage the software development.
- To train the junior software developers.

Feb 2009 - Dec 2012 Software Developer at INtratego

Utilizing Oracle Developer 10g (Oracle Forms, Oracle Reports y Oracle Designer)

Responsible for:

- Stored Procedures, Forms and Reports development for INtratego's Custom ERP Payroll Module.
- Report Development and Maintenance for INtratego's Custom ERP Sales, Purchase, Accounting and Warehouse Modules.
- Form and Report development for INtratego's Custom ERP Cashier's Module.
- Managed Oracle Database 10g using Enterprise Manager Database Control; specifically tuned to manage performance issues.
- User Support at INtratego's Custom ERP deployment and basic warehouse and accounting operations.

Oct 2008 - Jan 2009 Technical Support Manager at INtratego

Responsible for:

- Installation and Configuration of Oracle Database 10g.
- Installation and Configuration of Oracle App Server 10g.
- Webutil Configuration at Oracle App Server 10g.
- Researched and troubleshoot issues reported by INtratego Customers.

Languages

Spanish Native language

English Advanced Level

Sep 2008

Graduate from Advanced Level at "Instituto Cultural Peruano Norte-Americano" (ICPNA).

<http://www.icpna.edu.pe/>

Jan 2013

TOEFL iBT: 102 / 120

Reading: 29/30 Listening: 29/30 Speaking: 23/30 Writing: 21/30

Swedish Basic level

Courses and Seminars

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| 2016 | Machine Learning by Stanford University at Coursera |
| 2011 | Conference Oracle Database 11g and Options at "Licencias on Line".
http://www.licenciasonline.com/ |
| 2010 | Workshop Oracle Weblogic at "Global Business Solutions" (GBS).
http://www.gbs.pe/ |

- 2010 Oracle Developer Day: Workshop Service Oriented Architecture – SOA at “Universidad Peruana de Ciencias Aplicadas” (UPC).
http://www.upc.edu.pe/home_upc.aspx
- 2009 Oracle Database 10g: Administration Workshop II at “CETIS” (UTP)
- 2009 Oracle Database 10g: Administration Workshop I at “CETIS” (UTP)
- 2008 Oracle Database 10g: SQL Fundamentals at “Universidad Nacional de Ingeniería” (UNI).
<http://www.uni.edu.pe/>

Information Technology

Applications

Github, Bitbucket, VirtualBox, VMware Workstation.

OS

Windows Server 2008, Linux Ubuntu Server.

Languages

JavaScript, Python, SQL, PL-SQL, PHP, HTML5, CSS3.