Nisim Hurst

BI Solutions Developer

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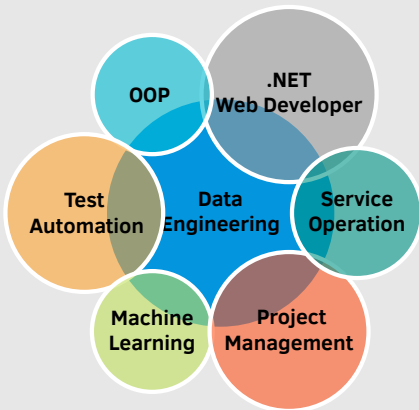✉ langheran@gmail.com

in /in/nisim-hurst

⌗ langheran

Skills

Overview

Programming

Immature ⟶ *Proficient*

C# • MSSQL • LaTeX

HTML5 • JS • Python

C++ • OpenCV • R • Octave

Projects

Alerts Front End - Main developer at the new Alerts module for FIWARE/ FINEXT project. The module is intended to interact with several computer vision based behavior detection algorithms using NGSI-compliant APIs.

Intelisis ERP - System for managing the entire operation of INTIMA, i.e. sales, shipping, manufacturing, managerial accounting, etc. The project manager was me.

Intuitive ERP - Project leader for the manufacturing submodule.

Education

| 2017 - 2019 | **MSc., Computer Science** (GPA: 3.7/4.0) | Tec de Monterrey, Estado de México |
| 2004 - 2008 | **BEng., Electronic Systems Engineering** (GPA: 3.5/4.0) | ibid., Santa Fé |

Research

2017 - 2019 **MSc. Candidate, Graduate Research Assistant** Tecnológico de Monterrey

Thesis: Parking Block Segmentation from a Surveillance Camera Perspective

- Proposed a scalable deterministic domain transformation method to reliably segment parking lots on the surveillance camera view using a satellite image of the same scene. The method is resilient to occlusions and point-of-view changes.
- Constructed a rich longitudinal dataset of more than 7000 polygons to segment parking lot structures (APKLOT).
- **Tools**: C++, dlib, cmake, OpenCV, labelme, Python, matplotlib, pandas

Publications

N. Hurst-Tarrab, L. Chang and M. Gonzalez-Mendoza , "Recopilación de bases de datos de estacionamientos para aplicaciones en visión computacional," in Research in Computing Science, ISSN 1870-4069 2018, pp. 173-188, COMIA.

Certifications

Nov 2013 - Nov 2022	**Project Management Professional**	PMI
Nov 2014 - May 2018	**MCSD: Web Apps and SQL Server 2012** ID 1121457, Code 10541144	
Sep 2016 - Present	**QlikView 11 Developer** Code: KGBmFovM	Qlik
Jan 2014 - Present	**ITIL Foundation V3 (syllabus 2011)**	EXIN

Experience

Jan 2017 - May 2019 — **Full-time graduate student** — Tecnológico de Monterrey

- Took 10 courses in machine learning and algorithms.
- Main developer in building a realtime early-alert system on Angular using AWS EC2 and Docker for the FIWARE project.

Sep 2015 - Dec 2016 — **Business Intelligence Solutions Developer** — Ecolab Inc.

- Developer of the QlikView dashboard for Latam's inventory management and other MS WebForms modules for uploading invoices. Designer of the data cubes and ETL package developer on SSIS and UC4.

Aug 2013 - Aug 2015 — **.NET Web Developer** — Edenred

- WebForms developer for product *Ticket Empresarial*. JS developer using custom controls and the observer pattern. WCF and SQL backend developer.
- Incidence and configuration manager using Team Foundation Server.

Oct 2009 - Aug 2013 — **Project Manager** — Grupo Zet Internacional

- Project manager for implementing Intelisis ERP. Project leader and data analyst in Intuitive ERP implementation. MSSQL stored procedures developer. SSAS cube developer using the tabular model.
- MVC developer for an automated visitor tracking system using barcode technology and a hand recognition device. WinForms developer of an inventory management system that interacted with Intelisis ERP.
- *Como justificar económicamente la mejora de la calidad* and *Indicadores, revisión por la dirección y análisis de datos* courses.

Jan 2009 - Oct 2009 — **Delphi and .NET Developer** — Alvic, Barcelona

- Developer of the device management communication module and other minor fixes.