Nisim Hurst

BI Solutions Developer

📱 +52 155 10997027

🌐 langheran.github.io
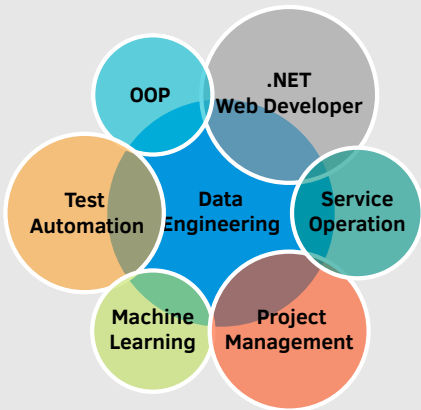
✉ langheran@gmail.com

in /in/nisim-hurst

⧉ langheran

Skills ——————

Overview

Programming

Immature ——————→ *Proficient*

C# • MSSQL • LATEX

HTML5 • JS • Python

C++ • OpenCV • R • Octave

Projects ——————

EDX Inbox - Developer -in association with 9 other developers- of the EDX Inbox module; using AWS Lambda, Serverless plugin and pytest.

EDX Versioning and Logging - Sole developer of an inventory gathering module (Sign@versioning.exe) and a crosscutting logging module (Monitoring) in Python, C#, AzureWebApps, MongoDB and AutoHotkey. Also developed many unit tests using Powershell.

Alerts Front End - Angular developer for FIWARE/ FINEXT project, in colaboration with computer vision based be-

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

Abr 2022 - Abr 2024	**Professional ML Engineer**	
Nov 2013 - Nov 2022	**Project Management Professional**	
Nov 2014 - May 2018	**MCSD: Web Apps and SQL Server 2012** ID 1121457, Code 10541144	
Sep 2016 - Present	**QlikView 11 Developer** Code: KGBmFovM	
Jan 2014 - Present	**ITIL Foundation V3 (syllabus 2011)**	

Experience

Aug 2022 - Present	**Fullstack Developer - Data Analyst**	NDS Cognitive Labs

- Developed a candidate recommendation endpoint for a project called Fuga de Cerebros.
- Gathered a dataset to predict car prices.
- Built analytics and deployment infrastructure on GCP.

Jan 2021 - Aug 2022	**Python Backend Developer - AWS DevOps**	EDX Solutions

- Serverless developer for *EDX Inbox*. I must say that I integrated the project in a late period, i.e., just before Go-Live. The front was made by other members in React.
- ETL lambda task to integrate Mexico SAT blacklists' into indexed Mongo.
- Serverless developer for EDX Colombia-DIAN Payroll. Validation schemas in schematron.

Sep 2019 - Dec 2020	**.NET Developer and Tester**	EDX Solutions

- Quality testing in PowerShell 3.0 (CLR 2.0) and Jupyter with C# kernel. Developed over 100 tests to download and categorize production-ready input files, monitor long tests, stress-test in parallel and deploy new releases in the intended staging FS client environments.
- Developed a logging module to monitor documents' progress in our processing pipeline.
- Designed and developed a multinational inventory gathering module for the EDX xDoc core product (C#, Python, AutoHotkey). Since December 2020, this module and the Monitoring one have been productive in over 17 clients.
- Developed a single-page poor-man's AutoMapping module in Flask and Bootstrap for the xDoc (at the moment another team has taken charge to effectively integrate ML techniques)
- Flask Python-Tensorflow programmer at the MyZum project. Given the pandemic situation, this project was halted.

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 AngularJS 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.
- ServiceNow ticket tracking and integration with QlikView.

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.