

# NOÉ ABRAHAM LANDAVERDE CORTÉS

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## PERSONAL INFORMATION

Nationality: Mexican

Place of birth: San Luis Potosí, San Luis Potosí, México

Date of birth: November 21, 1991

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## • PROFILE & °ACADEMIC INTERESTS

- Active professional with high motivation for acquiring new abilities and knowledge
  - Versatile and open-minded personality
  - Experience in fields related to Geographic Information Systems, programming, and web development
  - Objective and critical thinking
    - Cartography, Data Analysis, Visual and Geovisual Analytics
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## EDUCATION

Bachelor's Degree in Geomatics Engineering (2009 – 2014)

by the Autonomous University of San Luis Potosí. San Luis Potosí, México.

Thesis topic: Web Application for Public Transportation Enquiring.

Master of Science in Geo-Information Science and Earth Observation (2016-2018)

Specialization: Geoinformatics, by the Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente in Enschede, The Netherlands.

Thesis topic: A Conceptual Framework for Interactive Cartographic Storytelling

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## PROFESSIONAL EXPERIENCE

Cartography Technician | 05-02-2014 to 08-02-2014

Municipal Planning Institute, State Government

- Participated in a three-month project, during which our team was able to update and rectify the cadastral cartography and databases for the San Luis Potosi municipality.
- Generation of thematic cartography with data from studies of urban planning, such as sustainable urban expansion boundaries, land use, land use change, and infrastructure for bicycles.

Part-time teacher | 09-02-2015 to 09-05-2016

Autonomous University of San Luis Potosí

Part-time teacher, member of the Geoinformatics academic staff of the Engineering Faculty. During this period, I taught the following subjects:

- Introduction to Geomatics
- Fundamentals of Geographic Information Systems
- Fundamentals of Remote Sensing
- Applications of Geographic Information Systems

Intern | 06-04-2018 to 16-11-2018

Environmental Systems Research Institute (Esri)

Supported the Industry Marketing (now Industry Solutions)/National Government division on National Mapping and Statistics tasks, such as:

- Creating, testing and migrating geoprocessing workflows into the latest Esri technology for marketing purposes.
- Searching and updating content for internal and external publications (using web scraping to automate the acquisition of media metadata)
- Updating and analyzing a global indicators database and creating thematic cartography for marketing planning purposes.

Developer | 01-07-2019 – 01-07-2020

DataLabMX

Developer of web applications for federal and state-level governments of Mexico City. Participated in many projects, more importantly:

- A platform for visualizing service problems and user complaints for a major public transportation provider. These events were distributed across categories, routes, and time using treemaps, bar charts, maps and line charts; all controlled by custom filters and menus.
  - An interactive web map for visualizing georeferenced public requests and demands from citizens of several cities in Mexico. Such demands could be related to public safety, utilities, and other services provided by the state government.
  - Geocoding thousands of addresses for private companies, and matching them to official datasets, such as those generated by the National Institute of Geography and Statistics (INEGI) using a Natural Language Processing method.
  - Automating database updates and preprocessing GIS data before inserting them into tables.
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## *LANGUAGES AND TECHNICAL SKILLS*

### Languages:

- Spanish
- English

### Software:

- Microsoft Office (Excel, Word, PowerPoint, Visio, Access)
- ArcGIS for Desktop (ArcMap & ArcGIS Pro)
- ArcGIS Online (Portal for ArcGIS, Insights & Story Maps)
- AutoCAD, Tableau

### Programming:

- HTML & CSS
- Javascript:
  - Google Maps API
  - ArcGIS API
  - D3
  - React, Redux
  - Turf
- Python
  - GDAL
  - Pandas
  - NumPy
  - Sci-kit Learn
  - ArcPy
- SQL
- Git