

## WORK EXPERIENCE

### **Data Analyst at N+ Focus (Dec 2022 – Present)**

*Full-time*

- Assist journalists to strengthen investigative work by conducting fact-checking and researching relevant data.
- Develop and implement data extraction, cleansing, and processing scripts through API calls, periodic downloads, and web scraping techniques.
- Collaborate with the design team to create engaging data visualizations for video and website articles.
- Contribute to investigations on topics such as climate change and social injustice.

### **Data Visualization Designer/Specialist (May 2022 – Present)**

*Freelance*

- Developed interactive and static data visualizations by integrating coding and design software, providing to diverse formats such as PDF reports and web platforms.
- Provided guidance on visual communication best practices and data analysis workflows.

## RELEVANT PROJECTS

### **Undergraduate Thesis Project: Statistical and computational tools in Earth Engine satellite imagery for wildfire exploration**

- Gathered wildfire record data from different resources and compared them with satellite imagery to understand their environmental behaviour and impact in Yucatan, Mexico.
- Conducted an exploratory data analysis and summarized the research with proper data visualizations to facilitate communication.
- As a side project within this thesis project, I've been redesigning the data visualizations to explore a different perspective of the same information.

## EDUCATION

### **BSc. in Engineering Physics from Universidad Autónoma de Yucatán, Mexico**

- **Relevant coursework:** Probability, Statistics, Data Science, Machine Learning and Energy Sources.

## SKILLS

- **Programming:** Python, R, HTML, CSS, JavaScript, SQL.
- **Data Visualization Tools:** Datawrapper, Flourish, Adobe Illustrator.
- **Data Science and Analysis:** Data Science pipeline (cleansing, wrangling, visualization, modelling, interpretation), Anomaly Detection, Pattern Recognition, A/B Testing (Hypothesis Testing), Exploratory and Explanatory Data Visualization, Git, Google Workspace, MS Office.