

# Arsenii Afinogenov

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Based in Mexico City. Citizen of Mexico

## Professional Summary

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Transport economist and mobility analyst with 10+ years of experience improving urban transport systems across public and private sectors. Proven track record in optimizing transit networks, building financial models, and analyzing fare systems. Proficient in Python, QGIS, Excel, and spatial data tools for mobility analysis and research.

## Work Experience

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**OTS Lab LLC** *February 2022 – Present*  
*Transport Engineer*

- Designed multimodal financial transport models for cities including Yakutsk and Nizhny Novgorod
- Analyzed fare systems, contracts, and city budgets to support equitable transit funding
- Developed multi-year financial projections and service scenarios
- Proposed targeted outreach campaigns to improve service awareness
- Supported route optimization and timetable redesigns with spatial data analysis

**St. Petersburg City Legislature** *October 2016 – February 2022*  
*Policy & Community Analyst*

- Wrote 1,000+ legislative proposals and constituent responses
- Focused on urban mobility, accessibility, and transport legislation
- Led social campaigns and conducted data-driven analysis of city infrastructure

**Ulmart CJSC** *November 2013 – October 2016*  
*Lead Analyst*

- Created forecasting models and performance dashboards across departments
- Conducted data analysis to support logistics and inventory efficiency

**Zhivoy Ofis Group** *July 2012 – October 2013*  
*Head of Product Line*

- Managed procurement, pricing strategy, and product analytics for key lines

**Maksidom LLC** *March 2012 – July 2012*  
*Marketing Analyst Assistant*

- Monitored pricing, helped plan marketing campaigns, managed merchandising in different stores, and performed operational activity analysis

## Key Skills

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- Urban mobility and transit finances
- Fare and service design optimization
- Policy analysis and stakeholder engagement
- Data analysis: Excel, QGIS, SAP BI, Python
- Open data use for mobility insights
- Languages: English (fluent), Spanish (B1–B2), Russian (native)

## Education

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**B.A. in Corporate Economics & Management**  
St.-Petersburg State University, Faculty of Economics

*Sep 2007 – Jun 2012*

## Certifications and Projects

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- PennX – Urban Transit for Livable Cities (TRANSIT01x)
- Public Mobility Projects (City Projects, St. Petersburg):
  - Optimized ticketing systems for public transport
  - Designed night bus and tram network improvements using open data
- Currently expanding Python skills (data wrangling, CSV, filtering)

## Selected Public Data Analysis Projects

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### How balanced are bike stations in Mexico City?

Analyzed public bike-share usage to identify imbalances between arrivals and departures at each station. The analysis allows to propose redistribution strategies to reduce operational costs and improve system efficiency.

*Tools: Public GTFS data, Python (Pandas, Folium), interactive map*  
<https://arsenimx.github.io/Ecobici-balance-2025/>

### Speed, Frequency and Time Travel Index Analysis of the Mexico City metrobus Network

Mapped and analyzed average bus speeds, frequencies and time travel indeces across the city to identify bottlenecks and recommend priority lanes or other interventions.

*Tools: Python (Pandas, Folium))*  
<https://arsenimx.github.io/CDMX-metrobus-speeds/>

### Frequency Analysis of the St.-Petersburg transit Network

Mapped and analyzed cumulative frequencies and across the city combining up to tens of different routes per each street segment. Gives an indication of cumulative intervals of the system.

*Tools: Python (Pandas, Folium))*  
<https://arsenimx.github.io/IntervalsSPb/>