

# Oleg Mironov

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GitHub: <https://github.com/olegmrnv>

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Portfolio: <https://olegmrnv.github.io/>

Data Analyst with a background in software development. Certified as a professional Data Analyst through Rice University and has experience providing services to financial institutions, law firms, housing agencies and other industries in Houston area. Fast learner who has a passion for new technologies and concepts. Eager to work with like-minded team members whose goals are: growth, success and accomplishment.

## Technical Skills:

Python (Pandas, Matplotlib, NumPy, SQLAlchemy, flask application), VBA, API requests, JSON, geoJSON, MySQL, SQLite, MongoDB, HTML, CSS, Bootstrap, Dashboarding, JavaScript (Plotly, D3, Geomapping with Leaflet.js), R, Tableau, Machine Learning, Modeling, Forecasting, Web Development, Web Scraping with Python (BeautifulSoup), Big Data Analytics with Hadoop, ETL processing, Github, Git Bash, Heroku, Command Line, Data Visualization, Jupyter Notebook, Visual Studio.

## Education

Rice University (Houston, Texas) August 2019

Data Analytics Boot Camp - an intensive 24-week long educational program intended to deliver new trending programming and analytical skills.

Microsoft Certified Professional (2013, Houston, TX);

Microsoft Technology Associate (2013, Houston, TX);

CompTIA A+ Certified (2013, Houston, TX);

Customer Service Certified (2013, Houston, TX).

Moscow State Open University (Moscow, Russia)

Computer Science Specialist / BS in Software Development.

## Projects:

Texas Dream ([https://github.com/olegmrnv/texas\\_dream](https://github.com/olegmrnv/texas_dream))

- Group project where we implemented multi-factor analysis (income, unemployment, best schools and air quality) for selecting best place to live in Texas.
- Obtaining data from sqlite file using SQLAlchemy library and flask application
- Using JavaScript and Leaflet library to create map and handle JSON responses

Dynamic Correlation (<https://github.com/olegmrnv/Dynamic-Correlation>)

- Scatter plot with tooltips created using JavaScript and D3 library
- Built site using simple HTML, Bootstrap and CSS styles
- Data source is a csv file from census.gov

Food Recalls - ETL project ([https://github.com/olegmrnv/food\\_recalls](https://github.com/olegmrnv/food_recalls))

- A database ready for future analysis of food recalls and potential reasons for that. Myself and other team members worked on extracting data from csv file and API responses, transforming it and loading into MySQL database.
- Python used as a primary programming language, other libraries: Pandas, JSON, Requests, SQLAlchemy, Pandas.io, mysql.connector, pprint.

Belly Button Biodiversity (<https://github.com/olegmrnv/bellybutton-germs>)

- Web interface created with HTML, Bootstrap. Graphs created with Plotly.
- Flask app written on Python 3 (libraries: pandas, numpy, sqlalchemy, flask)
- Data pulled from SQLite using RESTful APIs.

## Work Experience:

July 2017 - Present                      contractor/self-employed                      Houston, TX

### IT Specialist

- Successfully completed data/email migration between various Document Management Systems.
- Deployed several websites, managing domain names and DNS records.
- Improved network performance, internet connection speed, backup solutions.
- Resolved issues related to computer virus infection, data recovery, wireless network extension.

April 2013 - June 2017                      “ScoNet Inc”                      Houston, TX

### Systems Engineer

- Developed custom AD logon script to enhance companies' workflow and resolve remote login issues.
- Upgraded multiple VOIP systems, wireless networks, firewalls and improved security policy.
- Implemented VPN connections, backup solutions, email-alerting systems, surveillance systems.
- Managed multiple servers, office hardware and desktop computers.