

## Profile

Through various econometric courses I became a data scientist. Through work experience and many free courses I became a full stack developer.

## Experience

### **Jr. Full Stack – Continental Expedited Services** **March 2023 – Current, Nashville, Tennessee**

- Various D3.js dashboard to display KPIs for different sectors of the business
- Trained ML models for price predictions
- Created a new warehouse application to track and manage orders which included label generation, scanning, photos, and detailed stage recording
- Automated data collection and preprocessing from other company tools
- Utilized ArcGIS SDK to create a geographical view of current orders and compare potential new orders
- More details can be found [here](#)

### **Data Scientist – BlueOptima** **March 2022 – January 2023, Phoenix, Arizona**

- Data analysis, big data, predictive modeling, database structuring, data visualization, script writing
- Presented findings and recommendations to clients, worked closely with various data engineering teams

### **Data Analyst (part time)– FindBobi** **August 2021 – March 2023, Remote**

- Collect data from various public sources using API endpoints and web scraping techniques
- Cleaned data, created APIs, organized it into relational databases, and presented statistical summaries

### **Data Analyst Intern - Japan Tobacco International** **March – August 2021, Moscow, Russia**

- Predictive modeling, data cleaning, data visualizations, script writing
- Presented complicated concepts to nontechnical audiences, automated repetitive tasks

## Relevant Projects

### **D3.js Visualizations of Personal Investments** **October 2023**

- Comprehensive analysis of an investment portfolio including proportions, performance, and sector allocation
- Link to project: <https://jesse-metzger.vercel.app/portfolio>

### **D3.js Visualization of S&P 500** **October 2023**

- Utilizing a scheduled cron job to run a Python script, we can analyze current market trends in key sectors
- Link to project: <https://jesse-metzger.vercel.app/stocks>

### **ArcGIS Visualization of personal travels** **September 2023**

- Travel through the years and see my travels. Hover over points or paths for more details
- Link to project: <https://jesse-metzger.vercel.app/map>

**Code Samples:** <https://github.com/jmetzg11>

## Education

### **MA from Johns Hopkins University (SAIS), International Economics and Europe/Eurasian Studies** **Washington, DC May 2019**

- Coursework: Applied Econometrics, Macro Econometrics, Economic Development, Public Finance

### **BA from University of California, Riverside** **Riverside, California May 2012**

#### **Double major in Comparative Literature and Music**

- Studied abroad in Mexico, Argentina, Ghana, and Spain

## Additional Information

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| <b>Languages</b> | English (Native), Russian (Advanced), Spanish (Advanced)         |
| <b>Skills</b>    | Django, FastAPI, React, Machine Learning, SQL, D3.js, ArcGIS SDK |