**Ivan Mihailov**

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**GitHub | LinkedIn**



**SKILLS**

**Python | Data Wrangling | Data Visualization | Pandas | Random Forest | XGBoost | SQL**



**PROJECTS**

**Georgia Public Schools Poverty Estimates & Math/Reading Test Scores** **GitHub | Medium**

**Analyzed GA Public Schools Neighborhood Poverty Estimates (“NPEs”) and 2017-18 Math/Reading Test Scores**

* **Created Seaborn visualizations identifying:**
  + **Near zero (0) correlation b/n Math/Reading Test Scores and NPEs higher than 6X Fed. Poverty**
  + **Positive correlation b/n Math/Reading Scores and NPEs less than 6X Fed. Poverty Threshold**

**Predicting Drought in Pennsylvania Based on Weather and Soil Data** **Google Colab | Medium**

**Used meteorological and soil data from US Drought Monitor/ World Harmonized Soil Database**

* **Engineered Features & Trained Random Forest and XGBoost models improving Balanced Accuracy Score by 0.05 over baseline**
* **Due to skewed nature of target, final Random Forest model predicted instances of No Drought better**



**EXPERIENCE**

**Mihailov Law LLC, Greater Philadelphia Area, PA** **Jul 2020 - Present**

**Managing Attorney**

* **Establish and run solo commercial litigation law firm (incl. all administrative aspects of law practice)**

**Black & Gerngross Law Firm, Philadelphia, PA** **Jan 2014 - Dec 2019**

**Associate Attorney**

* **Led team of 20+ attorneys in E-discovery project reviewing 1.8 TB of data for arbitration against Big 4 accounting firm (incl. identifying, ingesting, & processing data as well as creating effective searches)**
* **Researched, distilled, and drafted court pleadings on novel and complex insurance insolvency laws**
* **Selected and managed outside counsel in various US jurisdictions, incl. budgeting and legal strategy**

**Kaufman & Forman Law Firm, Atlanta, GA** **Aug 2009 - Dec 2013**

**Law Clerk/Associate Attorney**

* **Managed 12 attorney team in E-discovery project for Trade Secrets case; completed project within court-imposed 2-week deadline & successfully defended against motion to strike our client's answer**
* **Provided critical legal and financial research in complicated swap agreement case vs Bank of America; assisted with defeating summary judgment and ultimately obtained favorable settlement**



**EDUCATION**

**Lambda School, Remote**

**Jan 2021 - Present**

**Data Science**

**6+ months immersive hands-on curriculum in Data Science, Computer Science, & Software Engineering**

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| **Emory University School of Law, Atlanta, GA** | **May, 2009** |
| **Juris Doctor with Honors** |  |
| **Guilford College, Greensboro, NC** | **May, 2005** |

**Bachelor of Science with High Honors in Business Management and International Studies**