**Denis Soulima**

Mansfield, CT

203-919-1760 | denissoulima@gmail.com | linkedin.com/in/denis-soulima

**Data Analytics Case Competitions**

*Car Insurance Fraud Detection* (from Yale University and Travelers Insurance - 1st Place Winner)

* Led a team in a competitive challenge to predict car insurance fraud for a major insurance company.
* Engineered features from raw transaction data using SQL, Hadoop, and Python.
* Developed and tested predictive models, including logistic regression and decision trees, and applied advanced techniques to maximize the F1 score.
* Demonstrated an in-depth understanding of class imbalance and rare event detection, skills directly applicable to financial fraud analysis.

### **Education**

*University of Connecticut* Master of Science, Data Science | Aug 2025 - May 2026

* Relevant Coursework: Statistical Computing, Machine Learning, Advanced Statistical Methods, Linear Algebra, Big Data Systems, Data Visualizations.

*Southern Connecticut State University* Bachelor of Science, Computer Science | 2025

* Minors: Mathematics, Mobile Programming, and Data Science.

### **Professional Experience**

* Data Engineer Intern | VictoryWaves | Fall Semester 2024
* Performed ETL (Extract, Transform, Load) on large datasets using Databricks on Azure, NoSQL Workbench, and AWS S3 storage.
* Contributed to the development and maintenance of data pipelines, ensuring data quality and accessibility for downstream analytics.
* Back-End Software Engineer Intern | IBM Cloud | Summer 2020
* Gained hands-on experience in cloud infrastructure and the software development lifecycle by contributing to back-end projects.
* Advanced Geeksquad Technician | Geeksquad Bestbuy | January 2023 - Present
* Helped clients troubleshoot and repair computers and phones.
* Performed data transfers, and installed and repaired operating systems on client's computers.

### **Academic Projects**

*Attention Span Data Analysis Project*

* Designed and executed a project to analyze screen time data, employing various data visualizations and storytelling techniques to communicate key findings.

*Seattle's Housing Market Mapped Project*

* Created a data visualization using an open-source package that shows the real estate market in Seattle.

### **Technical Skills**

* **Programming**: Python, R, Java, Javascript, SQL, HTML, Haskell
* **Databases**: PostgreSQL, NoSQL
* **Big Data**: Databricks, Hadoop, Hive, Pig, Scoop
* **Machine Learning**: Predictive Modeling, Logistic Regression, Decision Trees, Clustering, Classification, Ensemble Methods
* **Cloud Platforms**: AWS, Google Cloud Compute, Azure
* **Other**: Class Imbalance, Fraud Detection, Data Visualization, ETL Pipelines. Speaks 5 different languages fluently: English, Spanish, Ukrainian, Russian, and Polish.