**Joseph Moravitz**

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LinkedIn: <https://www.linkedin.com/in/joseph-moravitz-a62051147/>

Portfolio: <https://jihkro.github.io/> | GitHub: <https://www.github.com/jihkro>

**Professional Summary:** Aspiring data scientist with five years professional experience in software development. Enjoys puzzles and coming up with ways to improve and break them.

**Technical Skills:**

*Languages*: Python, Java, JavaScript, SQL | *Data Manipulation and Visualization*: Pandas, Matplotlib, Leaflet, Plotly, Excel, Tableau | *Databases*: mySQL, SQLite, mongoDB | *Machine Learning*: SciPy, SciKitLearn, TensorFlow | *Other*: Git, Flask, LaTeX

**Notable Projects:**

Pipe Defense: Analyzed data pertaining to water mains across Atlanta and performed machine learning to find which currently unbroken pipes our model predicts were most at risk for breaking. Utilized Python, Pandas, SciKitLearn, TensorFlow, Tableau

Natural Disaster Dashboard: Visualized data pertaining to major natural disasters over the years in the United States including an interactive map with hover and click events, filters, and additional graphs and tables. Utilized HTML, JavaScript, Python, Flask, SQL, Leaflet, D3

**Education:**

**Georgia Institute of Technology Atlanta, GA Feb, 2019**

*Certificate in Data Science and Analytics*

**Georgia Institute of Technology Atlanta, GA Dec, 2016**

*Masters of Science in Mathematics Stem Fellow*

**Georgia State University Atlanta, GA May, 2013**

*Bachelor of Science in Mathematics Summa Cum Laude*

**Georgia Perimeter College Atlanta, GA May, 2011**

*Associates Degree in Mathematics*

**Work Experience**

**American Data Solutions Mar, 2019 - Jun, 2024**

*Programmer Smyrna, GA*

* Worked on a team to develop and maintain a Class-6 IETM to display technical manuals written in or converted to S1000D
* Used various frontend languages and frameworks including Javascript, AngularJS, TypeScript, and backend languages including Java, Kotlin, Python, as well as databases including PostgreSQL, SQLite, Xodus, Redis

**Georgia Institute of Technology Aug, 2014 – May, 2016**

*Teaching Assistant Atlanta, GA*

* Taught undergraduate mathematics in tandem with lead instructor
* Proctored and graded exams and homework and maintained detailed records
* Received awards from department for outstanding student evaluations

**Folk’s Southern Kitchen May, 2005 – July, 2014**

*Waiter, Cashier Woodstock, GA*

* Trained staff and led shifts, delegating responsibilities
* Handled customer concerns and complaints

**Georgia State University Sep, 2012 – May, 2013**

*Tutor: Mathematics Assistance Complex Atlanta, GA*

* Tutored roomful of students in undergraduate mathematics
* Maintained detailed records for reporting