

SKILLS

- **Languages:** Python, MATLAB, Java
- **Data Science Libraries:** Pandas, NumPy, SciPy, Matplotlib, Continuum Anaconda
- **Relational Databases:** SQL, MySQL, PostgreSQL, SQLite
- **Big Data:** Hadoop, Cassandra, Apache Spark
- **Linked Data:** RDFa, FOAF, Turtle, Apache Jena.
- **Development Environments:** IPython/Jupyter, Yhat Rodeo, PyCharm, IntelliJ IDEA
- **Visualization Software:** Tableau
- **Linux/Unix:** Shell Scripting, Terminal Commands
- **Mathematics for Data Science:** 2 Semesters of Calculus-based Statistics, 2 Semesters of Linear Algebra
- **Software Development:** UML, Agile, Waterfall, and Git for software project management
- **Applications:** Microsoft Office (Excel, Word, Powerpoint), Slack

EDUCATION

Georgia State University - Atlanta, Georgia

- **B.S. Mathematics** (December 2016)
- **B.S. Computer Science** (December 2016)
Concentration: Database and Knowledge-based Systems

PROJECTS

- **Atlanta Crime Visualization (Data Processing / Visualization):** Created a data visualization dashboard that shows all Atlanta crimes from 2006-2015. All data was harvested from Atlanta Police Department's public website.
 - Data was preprocessed using Python Pandas in a Jupyter notebook and also Microsoft Excel.
 - The data was then converted to a small MySQL database and connected to a Tableau worksheet.
 - SQL queries were used to grab all pertinent information to create an interactive data visualization.
- **Geographical Origin of Music (Data Mining / Machine Learning):** Created a program that would predict the geographical location of music tracks based off of longitude, latitude, and digital signal processed audio features.
 - MATLAB and Python
 - Machine Learning Techniques: K-Nearest Neighbor (KNN), Lasso Regression, Ridge Regression
 - Predicted a rough estimate of where the music originated based of the root mean square derivation from Lasso and Ridge Regressions. The KNN algorithm was also used to compare and contrast the differences between classification and regression algorithms.

EMPLOYMENT

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|---|---|----------------------------------|
| Engineering Technician III | DynCorp International
Robins AFB, Georgia | November 2012 - July 2013 |
| <ul style="list-style-type: none">• Material Planner that used logistical software to research and approve all incoming C-130 aircraft part orders.• Maintained a U.S. Government Secret Clearance for the position. | | |
| Aviation Electronics Technician | United States Marine Corps
Cherry Point, North Carolina | August 2005 - May 2010 |
| <ul style="list-style-type: none">• Aviation Electronics technician that troubleshoot and repaired over 600 electrical systems for EA-6B Prowler aircraft.• Managed a team of 10 technicians and oversaw Quality Assurance for the workshop's repair output.• Obtained and maintained a U.S. Government Secret Clearance. | | |