Lauren Paige Lawless

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EMPLOYMENT HISTORY

**Lucidus Solutions**, Rockville, MD

Knowledge Engineer; May 2020 – Present

* Work with bioinformaticians and clinicians of the National Cancer Institute to establish rules for assignment of patients to treatment options given genetic biopsy results
* Translate business rules into executable logic rules and develop edge case test scenarios for existing and future limitations and applicability

**Gurnet Consulting**, Providence, RI

Data Analyst Consultant; July 2019 – May 2020

* Support client master data management team in consolidation of multiple data systems following a large organizational acquisition
* Develop data models and definitions to be used enterprise-wide in the unified application

**Navigant Credit Union**, Smithfield, RI

Data Analyst; December 2017 – June 2019

* Build and edit reports for various departments and audits
* Conduct ad-hoc analyses of specified data sets for management consideration in credit union decision-making
* Present data and analysis results in meaningful formats supporting all departments
* Identify opportunities to further leverage existing data applications for continuous process improvement around the distribution and consumption of organizational data

TECHNICAL SKILLS

Proficiency using Python, R, Stata, SQL, Tableau, Tibco EBX, and Microsoft Office (including Access)

Experience using Google Analytics

EDUCATION

**Syracuse University**, Syracuse, New York

**Master of Science, Applied Data Science**, September 2020

Overall GPA: 4.00/4.00

**University of Kentucky**, Lexington, Kentucky

**Bachelor of Science, Mathematics**, Minor in Biological Sciences, May 2017

**Bachelor of Science, Economics**, May 2017

Overall GPA: 3.89/4.00; Summa Cum Laude

Presidential Scholarship; J.C. Eaves Scholarship in Mathematics, May 2015;

Outstanding Senior in the Arts & Sciences Economics major, May 2017;

University of Kentucky College Democrats, President (2016-‘17), Secretary (2015-‘16)

RELEVANT COURSEWORK

**Graduate Level**

Data Administration Concepts & Database Management; Data Analysis & Decision Making; Introduction to Data Science; Business Analytics; Data Analytics; Fundamentals of Policy Analysis; Big Data Analytics; Marketing Analytics; Text Mining; Scripting for Data Analysis; Information Visualization; Natural Language Processing

Undergraduate Level

Calculus III; Differential Equations; Visualizing Mathematics; Programming Design Abstraction and Problem Solving; Numerical Methods; Microeconomics I, II; Macroeconomics I, II; Statistical Methods and Motivations; Probability; Game Theory; Economics and Business Statistics; Econometrics; Research in Economics; Seminar in Economics: Environmental Justice; Research in Biology

ACADEMIC RESEARCH

Graduate Research, Text Mining (Group); April 2020 – June 2020

• Extracted tweet content for a sample of American politicians and used text mining and data analysis techniques such as hierarchical cluster, SVM, and MNB to predict who would run for President in the 2020 primary elections using Python

Graduate Research, Big Data Analytics (Group); January 2020 – March 2020

• Applied logistic modeling to AP VoteCast 2018 survey response data to predict probability of prior support for a particular candidate with mindfulness toward social desirability bias in data

Graduate Research, Marketing Analytics (Group); January 2020 – March 2020

• Applied logistic modeling to AP VoteCast 2018 survey response data to anticipate likelihood of support and turnout among various Georgian demographic market segments in the fictional event of a 2020 bid for the Senate by former gubernatorial candidate Stacey Abrams

Graduate Research, Data Analytics (Individual); October 2019 – December 2019

• Applied various supervised machine learning algorithms to AP VoteCast 2018 survey response data to predict voting behavior on a generic House ballot and to identify predictive individual attributes that may be intrinsically estimable

Graduate Research, Fundamentals of Policy Analysis (Group); October 2019 – December 2019

• Conducted thorough policy analysis on current policies’ effect on equity in access to gifted and talented education programming for students in Virginia’s school divisions

• Provided context for equitable distribution efforts in various other state programs

• Evaluated Virginia’s status quo policies against program-targeted (universal screening of students and robust student portfolio evaluations) and teacher-targeted (implicit bias training and diversification of teacher workforce) policy alternatives

Undergraduate Research, Environmental Justice (Individual); February 2017 – April 2017

* Used CPAD and NHGIS data to build a regression model examining potentially disproportionate access by communities of different racial/ethnic or socioeconomic statuses to benefits derived from proximity to protected lands in non-rural California

Undergraduate Research, Econometrics (Individual); September 2016 – December 2016

* Used World Bank and IUCN Red List data to build a regression model to predict national species endangerment rates based on economic development, population growth, and greenhouse gas emissions

Undergraduate Research, Economics and Business Statistics (Group); February 2016 – April 2016

* Conducted a survey of University of Kentucky students and built a regression model based on collected data to predict a person’s direction and intensity of political opinion based on mostly endogenous personal characteristics