DANIEL S. FLECK

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TECHNICAL SKILLS

- Certifications: SAS Certified Base Programmer for SAS 9
- Programming Languages: Python, SAS, SQL
- Software and Frameworks: Microsoft Access, Microsoft Excel, SQL Server, Jupyter Notebook, Tableau, Power BI, Oracle BI Answers, MicroStrategy, Salesforce, ArcGIS

EXPERIENCE

Fidelity Investments – Durham, NC　　　　　　　　　　　　　　　　**June 2019 – August 2019**
IT Audit Intern – Enterprise Technology
- Scrum team member on Fidelity's Enterprise Technology Risk Management team for the audit of their internal OpenStack Cloud Computing software using Agile auditing methodology
- Develop an understanding of IaaS management, security, and governance while engaging and participating in all audit planning and walkthroughs, client meetings, audit finding and presentation meetings
- Complete data analysis for audit testing of user access, and vulnerability management using python and Power BI
- Execute ad hoc requests including REST API querying the telemetry backend with Elasticsearch, and outlier detection of employees within the same active directory group using machine learning in cluster analysis

Alliance Behavioral Healthcare – Raleigh, NC　　　　　　　　　　**March 2018 – August 2018**
Power Analyst
- Reviewed SQL reporting with IT to ensure accuracy of new monthly IBNR reporting, reconciling any IBNR claims differences between our accounting and managed care systems
- Liaised between Business Operations and IT on any business intelligence data, reporting or development needs
- Collaborated with cross-departmental units to identify information needs and design solutions using business intelligence (BI) concepts to create parameter driven reporting

Alliance Behavioral Healthcare – Raleigh, NC　　　　　　　　　　**May 2016 – March 2018**
Financial Analyst
- Created monthly reports on the status of Alliance's Medicaid per member cost and presented findings to leadership
- Utilized Microsoft Access to develop and define the monthly Medicaid reconciliation process
- Communicated with Providers to develop Medicaid rates and implemented new programs and services
- Analyzed individual enhanced rate requests submitted by providers to determine accuracy of their financial data

EDUCATION

University of North Carolina Wilmington – Wilmington, NC　　　　　Expected December 2019
Master of Science in Data Science　　　　　　　　　　　　　　　　　　　　GPA : 4.0

University of North Carolina at Chapel Hill – Chapel Hill, NC　　　　　　　　May 2015
Bachelor of Arts in Public Policy with a Minor in Mathematical Decisions Science

RELEVANT PROJECTS

Graduate Assistant　　　　　　　　　　　　　　　　　　　　**August 2018 – Present**
- Competed in the Kaggle NCAA March Madness Machine Learning (ML) Competition developing an algorithm to predict the winner of every tournament game using feature selection with ML models xgboost, logistic, and MLP

Natural Scenery Image Classification　　　　　　　　　　　　**January 2019 – May 2019**
- Tested multiple image classification techniques including Logistic, Decision Trees, Random Forest, Adaboost, MLP, Support Vector Machine, and ensemble modeling to classify 15,000 natural scenery images into 6 categories
- Improved upon classification accuracy through deep learning with convolutional neural networks (CNNs) using Tensorflow and image segmentation in python

Global Shark Attack Activity　　　　　　　　　　　　　　**August 2018 – December 2018**
- Analyzed Global Shark attack data cleaning raw data using numpy, pandas, and regular expressions and utilized data mining techniques in python to determine association of factors to the likelihood of shark attacks in an area
- Mapped Shark attacks using geopandas and ArcGis to discover location, activity, and climate trends