Ryan Brady

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PROFILE

Data analyst consultant experienced in creating automated data solutions. Interested in analytics based roles where I can leverage my experience in Python and R to process and create data-driven solutions for clients and internal teams.

EDUCATION

Georgia Tech   **Dec 2021**
MicroMasters Data Analytics
University of California, Davis   **June 2018**
Bachelor of Science in Statistics, with an emphasis in Data Science

WORK EXPERIENCE

Consultant – Data Analyst, Control Risks   **Feb 2019 – Present**
- Coordinated and executed the development of multiple Rshiny web applications comparing breakdown of loan relief by county and state to Citibank's housing loan portfolio for the Citibank Monitorship.
  - http://www.citigroupmonitorship.com/citibank-consumer-relief-maps/
- Implemented R package reticulate to create ML pipeline from Python to R that allowed the end user to edit inputs in Python scikit-learn and geopandas library in a Shiny Leaflet Dashboard to better understand how editing features in the DBSCAN model affects the output of classification of geospatial events.
- Utilized gdal and command line scripts to create data pipelines from shapefiles to SQL server allowing the data analytics team to conduct robust geospatial comparisons.
- Built tableau dashboards for customers, detailing weaknesses in a customer's security systems.
- Created automated workstreams with clients to build pipelines feeding into R scripts that monitor fraudulent transactions.
- Conducted ground truthing to verify location of home loans to ensure loans for a bank could be attributed to a settlement.
- Created customized Rshiny Dashboards allowing internal stakeholders to run different statisitical models on internal data and see how different Machine Learning algorithms can change an analysis.

Data Engineering Intern, Albertsons LLC   **June 2018 – August 2018**
- Advised management on where inconsistencies and duplicates exist between databases.
- Conducted AB tests to highlight key differences between different populations.
- Established an estimate of the magnitude of customers with multiple identities and demonstrate the loss of users on J4U due to misallocated coupons.

Lead Data Analyst Intern, Center for Student Affairs Assessment UC Davis   **June 2017 – June 2018**
- Managed a cross-functional team of six undergraduates to produce Statistical Reports and construct software to give individual departments statistical insights on self-recorded data.
- Presented the Vice Chancellor's Office with statistical insights on student issues and advise on ways to ensure all student's basic needs are met.

Data Science Intern, Data Science Initiative UC Davis   **June 2017 – April 2018**
- Applied ReadPDF package to convert PDF to XML files.
- Assisted in Package development of the ReadPDF package.

PROJECTS

Satellite Image Classification of Crop Fields (https://rpbradystadavis.github.io/)   **April 2018 – June 2018**
- Extracted satellite images from European Space Agency Sentinel-2 and stitched together images with Gdal.
- Constructed visualizations of Yolo County Crop Fields in GGPlot and Maplotlib.
- Applied a KNN and Extremely Randomized Tree model to classify crop type in fields with 90% accuracy.

TECHNICAL EXPERIENCE

Programming	*Skills*	*Data Visualization*
- R Programming Language	- Machine Learning	- Rshiny
- Python	- Linux	- Tableau
- SQL	- Data Mining	- PowerBI