

IEUAN ISRAEL

Data Scientist

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EXPERIENCE

Data Scientist

Ludis Analytics

August 2021 – Present

Remote

- Constructed data pipelines using AWS Apache Airflow to automate R and python data cleaning and scraping scripts
- Produced R Shiny, Python Streamlit, and react native dashboards that utilize machine learning to provide useful insights for clients.

Simulation Engineer

Charles Stark Draper Laboratories

July 2020 – August 2021

Cambridge, MA

- Generated C++ code based upon an Interface Control Document (ICD) using Python and Django to support simulation for ballistic missile tests
- Translated Subject Matter Experts' requirements for states and modes into a digital engineering Magic Draw Model to support Blue Origin's Human Landing System (HLS)

Baseball Analyst

Virginia Tech

August 2019 – March 2020

Blacksburg, VA

- Created insights and dashboards for player development
- Researched new methods for analyzing batting and fielding data

Data Analyst Intern

USA Rugby

May 2018 – December 2019

Lafayette, CO

- Created and maintained a new database from data that was previously excel tables
- Implemented an R-Shiny dashboard that visualizes data and insights for USA Rugby's 8 million members using the new database

PROJECTS

Senior Capstone Project

Bio complexity Institute, UVA

August 2019 – December 2019

Blacksburg, VA

- Implemented Naive Bayes and Random Forest for text analysis to classify Dow Jones articles containing innovations in the pharmaceutical industry from over 2 million news articles using R
- Validated the model using the publicly available FDA Approved Drug data set

ACHIEVEMENTS



SABR Diamond Dollars Case Competition Champion

First Place in the most prestigious baseball analytic conference in the nation



Hamlett Research Scholarship Recipient

Received 1500 dollars from Virginia Tech for my research with the Baseball Team



Chesapeake Collegiate Rugby Conference All-Star

Represented Virginia Tech in the CCRC All-Star Game

LANGUAGES

R/ R-Shiny

Python/ Streamlit

Tableau

SQL/ Postgres/ Snowflake

Django

AWS

airflow

javascript

react

CLUBS



Sports Data Analytics Club

Baseball Applied Team, Team Captain for all hitting analytic problems



Virginia Tech Rugby Football Club

Lead the team to the first-ever conference championship as a player/coach



Hillel at Virginia Tech

Peer Network Engagement Intern, Programmed activities for over 100 Jews on campus

EDUCATION

B.S in Computational Modeling and Data Analytics

Virginia Tech

Sept 2016 – May 2020

- Minor: Mathematics

Research Assistant

Virginia Tech

📅 August 2019 – December 2019 📍 Blacksburg, VA

- Predicted the time to firebrand, effluent from burning vegetation, generation and quantified the firebrand's contribution to forest fires using python
- Classified and predicted the shape and amount of firebrands contained within a forest fire using Random Forest regression from Python scikit-learn libraries