Ryan Dundun

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www.RyanDundun.com

Education

University of Wisconsin-Madison	Madison, WI
Double Major: B.S in **Statistics** & **Economics**	Graduated: May 2019

- Minor: **Computer Science**

Skills & Awards

- AWS Solution Architect Associate (C02) Certified May-2020. Validation ID: VM2H0NMCEN441FCP
- Experienced in: Python, R, AWS, Machine Learning, SQL, Java, Django, React
- Python Libraries: Scikit-learn (Machine Learning) Pandas (Data Analysis), Selenium (Automation), BS4 (Web-scraping)
- Spanish - Full working speaking & writing proficiency (Attended Milwaukee Spanish Immersion School)
- Powers-Knapp Scholar, University of Wisconsin-Madison (Private academic Scholarship)
- Division 1 Track & Field Athlete, University of Wisconsin-Madison
  - *Academic All-Big Ten Honoree || National NCAA Qualifier (400m Hurdles)*
  - ***First-Team D1 All-American** || B1G Ten Champion (DMR)*

Experience

Capital One Financial Corporation	**Chicago, IL**
Data Engineer	***August 2019-Present***

- Full-Stack Web-Development for instant-issuance credit card software application
- Tracked user activity on website, saved data to Snowflake data warehouse, & performed analytics to give insights.
- Utilizing AWS Lambda & S3, automated website testing & web-scraping with chrome web-driver & selenium Python.

Quad Graphics	**Sussex, WI**
Data Analyst & Statistical Forecaster	***May 2018-September 2018***

- Predicted/forecasted trends of business operations using time series forecasting (Programming language R).
- Cleaned data with "Cooks Distance." Used statistical tests to ensure model assumptions were met. Parameters were chosen by minimizing AIC & BIC to find most accurate model. Macroeconomic data was web-scraped from FRED used as indicators. Entropy & statistical significance tests completed to find best indicators to further improve model accuracy.
- Forecasted manufacturing sales & other time series with 3-6% mean absolute percentage error (MAPE).

Biomedical Data Science Research, UW-Madison Department of Biostatistics	**Madison, WI**
Software Engineer and Data Analyst	***May 2017-September 2017***

- Created an interactive web application enabling the user to interact with the data for better understanding
  - Interact with it now at: **https://dundun.shinyapps.io/shinyswallow/**

Personal Projects (Live & Online)

*Stock Predictor (Machine Learning): **www.FourKube.com** (Python/AWS/Machine Learning)*
- Utilizing AWS Lambda, Comprehend, and S3, we web-scrape the internet for data. Then our Random Forest machine learning algorithm will predict whether or not to buy the stock. Performance metrics used include test-set accuracy, Confusion Matrix, back-testing. Gini Importance was used to find most important features to include in our algorithm.

*Stock Visualizer & Forecaster: **https://dundun.shinyapps.io/stockForecast/** (R/Shiny)*
- Web-scrapes stock data. Decomposes stock time series into 'seasonal', 'trend', & 'random' components
- Uses those components as building blocks to forecast future prices using ARIMA time series forecasting

Complex Instagram & Twitter Bots (Python/AWS)
- Python Bots that automatically log user in & mass like, follow, & unfollow a chosen niche of users on Instagram & Twitter. Python packages used include: BeautifulSoup, Selenium Web Driver, Pyautogui, Requests, & more.

*Biomedical Data interactive web app from 2017 research Internship above: **https://dundun.shinyapps.io/shinyswallow/** (R)*
- Allows user to more easily understand & express complex data by choosing various variables in app

*RecycleRewards: **https://recyclerewards.io/**(Python & Django)*
- Non-profit website that uses image classification to give users points for recycling that they can then redeem for coupons.

Leadership Experience

Chess Club UW

Founder/President	*2015-2019*

- Recruited 100+ active members since establishment in 2015. Solicit meetings & tournaments for membership

Powers-Knapp Scholar, University of Wisconsin-Madison

Private Academic Scholarship	*2015-2019*

For links to all the live online projects, or to learn more visit **www.ryandundun.com**