ANDREW LEE

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EXPERIENCE

Lockheed Martin Corporation

Associate Data Engineer

📅 June 2021 – Present   📍 Valley Forge, PA

- Built an ingest pipeline for transforming synthetic geo-spatial data to match UCI compliant data.
- Visualized complex communication metadata using ElasticSearch and Kibana.
- Analyzed incoming Communication as a Service metadata to find flaws in the current pipeline.

Certilytics Incorporated

Data Analyst Project

📅 June 2020 – August 2020   📍 Remote

- Wrote a detailed report analyzing the relationship between inflation and unemployment rate.
- Used R to create an ad-hoc model for distributed time series analysis to determine relationship.

Protochips

Technician

📅 June 2016 – August 2018   📍 Morrisville, NC

- Programmed and assembled precision Aurdino-based controllers for electron microscope holders.
- Trusted upon within a small team of engineers for three summers.

PROJECTS

Salary Prediction Based on Various Characteristics

- Visualized the marginal effect of different characteristics (gender, education, etc.) on their probability of earning above $50,000.
- Created a multinomial logistic regression using R to find trends in salary earned.
- Assessed the accuracy of my model using various statistical tests and metrics.

A Single Artificial Neuron in Excel

- Calculated the feed-forward and backpropagation of an artificial neuron using excel functions.
- Created two logical AND & XOR neurons and used handwritten functions to optimize their weights.
- Reinforced my understanding of the mathematical intuition behind optimization functions.

SKILLS

ELK Stack   UNIX Scripting   Git   pandas   BeautifulSoup

Tensorflow   scikit-learn   PostgreSQL   Jupyter   Plotly

EDUCATION

Bachelor of Science, Mathematical Economics

University of Richmond

📅 May 2021

- Major in Mathematical Economics
- Minor in Computer Science

ACTIVITIES

Data Science Club

President, Founder

📅 October 2020 - Current

- Set and moderated goals for the club, oversaw the creation, and recruited new members.
- Coordinated biweekly meetings, datathon competitions, and data scientist speakers.

Economics Society

Senior Member

📅 October 2017 - Current

- Participated in monthly meetings to discuss recent economic changes and modern theories.
- Got to know my professors and classmates better.

Special Olympics Virginia

Fundraiser

📅 October 2017 - Current

- Fundraised over $20,000 a year with a group of friends towards the Special Olympics Virginia.

LANGUAGES

Proficient: Python, R, SQL
Working Knowledge: Java, C++, VBA

INTERESTS

- Web Development
  Portfolio Site: https://andrewrblee.com
- Blockchain Technologies
- Soccer
- Mandarin Chinese (8 years of experience)
- Cello