

# ANDREW LEE

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## EXPERIENCE

### Lockheed Martin Corporation

#### Associate Data Engineer

June 2021 – Present    Valley Forge, PA

- Built custom ETL processors for Apache Nifi to reformat satellite image metadata.
- Designed project system architecture by defining behaviour and physical elements as well as identification of logical functions.
- Visualized complex communication metadata using Elasticsearch and Kibana.

### Certilytics Incorporated

#### Intern Data Analyst

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

ETL    Git    Docker    PostgreSQL    UNIX Scripting    Tensorflow    scikit-learn    Jupyter    Plotly    pandas

## 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