Jared Early

216-407-5660 | jared.w.early@gmail.com | github.com/jaredwilliam | linkedin.com/in/jaredearly

RELEVANT EDUCATION

Case Western Reserve University — Graduated August 2016
Master of Science in Physics — GPA 3.7
Thesis: *Business Opportunity Analysis of Wearable Electromyography Sensors in Athletics*

Baldwin Wallace University — Graduated May 2014
Bachelor of Science in Physics, Minor in Mathematics — GPA 3.8

RELEVANT WORK EXPERIENCE

AmTrust Financial
Business Systems Analysis — May 2021 – Present

- Translate business requirements into functional specifications for large and complex projects
- Query SQL databases to find and explore data to support writing functional specifications

Comsat Architects
Lead Systems Analyst — July 2016 – April 2021

- Used advanced modeling and simulation software to analyze dynamic performance of complex systems to define the communications architecture of a space system including Deep Space Gateway, an Optical Relay, a Lunar Relay, and a Lunar Lander.
- Interfaced with multiple NASA Glenn technical teams to model and analyze dynamic systems to support decision making in projects
- Led team in writing concise final study reports and presented results to NASA Glenn stakeholders
- Extracted analysis and modeling techniques from technical papers for SMEs
- Documented technical processes to streamline future analysis, improving quality of regular tasks
- Wrote training material for system analysis and design and integrated it into the company onboarding process, reducing technical onboarding time by half.

RELEVANT CERTIFICATIONS

	Completion Date
• Python for Data Science and Machine Learning	January 2021
• Probability and Statistics for Business and Data Science	March 2021
• Computer Science Using Python	April 2021
• Python for Finance: Investment Fundamentals and Data Analytics	October 2021

RELEVANT PROJECTS

- Applied Machine Learning algorithms using Scikit-Learn to various projects, including:
  - Linear regression for food truck profits based on city's population
  - Logistic regression with advertising data to predict is a user clicked on an advertisement
  - Random Forest algorithm on lending data to determine if a borrower paid back a loan
  - K-Means clustering to divide universities into two groups, private and public
- Created a choropleth map with Python to visualize COVID vaccination rates of different countries
- Performed Monte Carlo simulations to forecast stock prices
- See GitHub for comprehensive list of projects

RELEVANT LANGUAGES AND TECHNOLOGIES

Python, Pandas, Scikit-Learn, Numpy, Matplotlib, Seaborn, MS Excel, SQL