**Christopher defreitas**

Providence, RI [ChristopherCDefreitas@Gmail.com](mailto:ChristopherCDefreitas@Gmail.com) [github.com/cd412](https://github.com/cd412)

**EDUCATION**

**Bryant University**, Smithfield, RI

*B.S. Applied Mathematics and Statistics Sept 2015 – Dec 2018*

GPA: 3.87, Summa Cum Laude

Minor: Information Systems and Analytics

Coursework: Data Mining, Programming for Analytics, Database Management, Software Applications, Linear Algebra, Actuarial Statistics III, Machine Learning Capstone

**Worcester Polytechnic Institute**, Worcester, MA

*M.S. Data Science (Completed 3 of 33 credits) Sept 2019 – present*

Coursework: Introduction to Data Science

**Skills**

**Data Science**: Python (Pandas, NumPy, Scikit-learn, OOP), R, SQL, PySpark, MS Excel

**Data Visualization**: Python (matplotlib, plotly, seaborn), R (ggplot2)

**Technologies**: Jupyter Notebook, Hive, HDFS, Relational Databases, Linux, Windows

**Soft Skills**: Communication, Creativity, Collaboration, Creative Thinking

**WORK EXPERIENCE**

**ACI Worldwide**, Providence, RI

*Associate Data Analyst (Data Science – Fraud Detection) Nov 2018 – Jan 2020*

Insights and Analytics

* Developed a tool for interactive analysis and exploration of large data sets.
* Explained complex analytical findings to a non-technical audience
* Presented results of analyses to business stakeholders
* Storytelling with data to show the fraud behaviors of different customer types

Data Science

* Developed fraud detection machine learning models based on historical customer data
* Carefully prepared and cleaned datasets to improve the quality of information
* Quickly analyzed data and built machine learning models to deliver insights to stakeholders

Data Engineering

* Blended large volumes of structured and semi-structured data
* Developed an automated data reception process from multiple sources to save hours per day
* Communicated with clients to understand data definitions and automate data transfer

**Amica Life Insurance**, Lincoln, RI

*Sr. Actuarial Intern May 2017 – Nov 2018*

* Automated reserve reporting, conducted longevity studies, and simulated mortality factors
* Created reports and presentations to share findings with senior actuaries

**FREELANCE EXPERIENCE**

* Created and presented an algorithm to help a college improve outreach and diversity metrics
* Delivered profitable trading bots exploiting arbitrage on multiple cryptocurrency exchanges
* Developed web scraping applications to collect data from APIs and other websites