Joseph Caulfield

10220 Memorial Hwy.
Tampa, FL 33615

Joecaulfield29@yahoo.com

716-548-2315

Experienced Data Engineer ambitiously seeking an entry-level position in the Tampa, FL area

LinkedIn: *https://www.linkedin.com/in/joecaulf/*

University at Buffalo   *Bachelor of Science in Finance*

Bachelor of Science in Computer Science

Jupiter Group   *Data Engineer*

- Research group I founded in 2019 through vigorous networking of peers & past acquaintances
- Built & launched over six algorithm-based trading robots in Java, Python, & Scala
- Spearheading deep learning project on Apache Spark:
  - Crafting architecture for massive batch-processing deep learning techniques across all forex markets
  - Ultimate goal is to use the output of the deep learning optimization to control the active robot
  - In layman's terms, we are building a robot that can study the market and then the robot itself will build its own algorithm-based trading robot

Queen City Solutions   *Business Data Analyst*

- Vigorously studied company's business operations to design and implement financial SQL database
- Audited finances to build systems designed to identify waste, slack, poor margins, etc.
- Complete with user interface, database was responsible for > $20,000 in savings post-implementation

Terrain Landscaping   *Founder & Managing Director*

- Launched after high school to pay for college, grew from side money to $200,000 in annual revenue
- Personally managed hundreds of high-profile clients and managed dozens of men & women

***Some* Relevant Projects (**click the link!**)**   *https://www.linkedin.com/in/joecaulf/*

Algorithm Trading Robot – 'MARVIN'	*Python*
Algorithm Trading Robot – 'BRUTUS'	*Scala*
Algorithm Trading Robot – 'PEPPER'	*Java, Scala*
Algorithm Trading Deep Learning Ecosystem	*Scala, Apache Spark, SparkSQL, SparkMLib*
Fixed Income Portfolio Advisor	*Python, Excel, HTML5*

Other Relevant Skills

Front-End *(JavaScript, HTML5, CSS3, Django)*	**Back-End** *(MySQL, NoSQL, Tableau)*
Interfaces *(Visual Studio, Jupyter, IntelliJ)*	**Other Languages** *(R, C#, C++)*
Other Programs *(MS Office, MATLAB, Hadoop)*	