

# Sebastian Di Francesco

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## **Summary**

Data analyst with skills in Excel, Python, Tableau, SQL, and machine learning from Georgia Tech's data analytics and visualization bootcamp and also from seven Coursera certifications. Increasingly innovative ability is leveraged to solve complex problems involving big data that is sometimes structured and sometimes raw. High motivation due to intellectual curiosity allows for proficient analysis with great attention to detail. Strengths include finding truth within visualizations of big data as well as knowing how to efficiently collaborate with different kinds of personalities according to modern psychology.

## **Technical Skills**

### **Tools:**

- Excel: pivot tables, VBA
- Python 3: data analysis and visualization using the following: pandas, NumPy, SciPy, Matplotlib, Seaborn

### **Databases:**

- mySQL: experience writing SQL queries in Python 3

## **Projects**

### **Budget Software | <https://github.com/sebastiandifrancesco/Budget-Software.git>**

- I created this software in Python 3 to help me budget my income. It takes my income and after taking tax out the remaining money is split into 30% for wants, 20% for savings, and 50% for needs.

### **Stock Analysis | <https://github.com/sebastiandifrancesco/Stock-Analysis.git>**

- I wrote this VBA script to test my knowledge of working with big data in excel VBA. The code when run goes through the stocks from 2014-2016 and outputs the following additional data: ticker symbol, yearly change (cell colored red if negative and green if positive), percent change, and total stock volume.

## **Education**

### **Boot Camp Certificate: Georgia Tech University, Atlanta, GA**

A 6-month data science program which taught technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning. The dates of this program run from 12/08/2020 to 6/5/2021.

### **Coursera Certifications:**

Completed seven data science certifications. Technical skills above were acquired through the completion of these.

### **Bachelor of Arts in Cognitive Science: University of Georgia, Atlanta GA**

My degree's emphasis was on philosophy and psychology. The psychology classes I have taken include: elementary psychology, abnormal psychology, cognitive psychology, sense and perception, and personality psychology. Overall, these classes have given me insight into how people are wired and allow me to understand how to best interact with different types of people. The philosophy classes I have taken include: intro to philosophy, symbolic logic, cognitive science, theory of knowledge, philosophy of language, biomedical ethics, and existentialism. I also took one computer science class where I acquired basic Java coding skills. These classes have strengthened my ability to synthesize abstract concepts into writing, my reasoning skills, and my ability to code small software.