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| **Education** | | | | | | | | |
| **Bachelor’s Degree - Finance** | | | | **University at Buffalo** | | | **08/2013 – 05/2017** | |
| **Coursework - Computer Science** | | | | **University at Buffalo** | | | **08/2017 – 05/2019** | |
| **Work Experience** | | | | | | | | |
| **Jupiter Group** | | | | **Developer** | | | **01/2019 – present** | |
|  | Building & deploying powerful applications to assist investors & traders with analytical procedures and firm insights.  Users can call scripted tools such as intrinsic valuation, competition analysis, and news summaries from a chat server.  Programs provide users with daily insights into big potential market movers and trading/investing opportunities. | | | | | | | |
| **Terrain** | | | | **Developer** | | | **04/2015 – 01/2019** | |
|  | Implemented business insight software to assist managers and enhance company’s performance.  Database improvements yielded an increase in profit margins of over 20% and cut slack costs drastically.  I founded this company myself, our niche being powerful data analytical capabilities and insights into demographics. | | | | | | | |
| **My Stack** | | | | | | | | |
| **JavaScript** | | Developing web applications using the **React** framework, writing both **vanilla JavaScript** and **JSX**.  Experience designing and bringing user-friendly themes to applications using **HTML** and **CSS**.  Providing full-feature front-ends and user interfaces for full-stack applications. | | | | | | | |
| **Python** | | Harnessing powerful **data science libraries** to analyze **big data** and model helpful **visualization tools**.  Writing **fully-automated** black-box **algorithm trading programs** capable of unsupervised securities trading.  Deploying reinforced learning methods across big data including **API**s of stock market data and news.  Interfaced with **Apache Spark** and the **Hadoop ecosystem** to boost machine learning tactics. | | | | | | | |
| **Java** | | Designing & building financial market applications such as virtual advisors and stock screeners.  Developing cross-platform applications, taking advantage of Java’s “build once use anywhere” concept.  Crafting scalable middle to back-end software using **Spring Boot**, **Maven** and **Gradle**. | | | | | | | |
| **SQL** | | Designing and deploying full-scale databases from scratch for business intelligence.  Implementing back-end memory banks and data storage structures for full-stack applications.  Writing hybrid code in Python & Java to interface with databases such as **MySQL** and **MongoDB**. | | | | | | | |
| **AWS** | | Taking advantage of **cloud computing** to provide automated solutions to users through chat servers.  Experience pushing Python, Java, and full-stack applications to **lambda functions** to be run serverless.  Enabling powerful applications with **distributed databases** for faster access to back-end memory. | | | | | | | |
| **Other Relevant Skills** | | | | | | | | |
| **Project Management** | | | **Creativity & Design** | | | **Problem Solving** | | **Business Acumen** | |
| **Customer Satisfaction** | | | **Firm Valuation Tactics** | | | **FX, Crypto, Equity, Options** | | **Technical Analysis** | |
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| **Check out my GitHub!** | | | | | [**https://github.com/jpcaulfi**](https://github.com/jpcaulfi) | | | | |