

Open-Source Project Developer Open-Source Project Developer Finance & Software Development
New York, NY UMD finance major (May 2019 graduate) and Byte Academy graduate with a passion for learning and research. I aim at leveraging technology to advance our understanding of capital markets. Abilities include fullstack programming, database management, financial modeling and trading strategy. Work Experience Open-Source Project Developer Github - Quanto - College Park, MD December 2018 to Present Designing a systematic research app for probing statistical arbitrage opportunities and risk management of equities and derivatives. Efficiently ran Binomial Trees, Monte Carlo and Black Scholes models. Technologies: C++ (STL, Boost, CMake), Python, SQL, Git. NLP Machine Learning Developer Byte Academy-NYC - New York, NY August 2018 to September 2018 Developed a financial news sentiment analysis web app that uses supervised machine learning with natural language processing to predict price trends and polarity crossovers. Technologies: Python (Scikit-Learn, NLTK, Pandas, Numpy), JavaScript, Flask, SQL, Git. Implemented code organization skills via a self-crafted object relational mapper for ETL frameworks. Full Stack Python Developer Byte Academy-NYC - New York, NY May 2018 to August 2018 Developed 'Academy Trader' an investing web app used for paper trading that keeps track of user balance, p/l, positions and margin. Fetched real-time API data feeds for stock prices and detailed information. Technologies: Python, JavaScript, SQL, & HTML/CSS. Completed training course focused on predictive modeling, database management, data visualization and back-end development. Digital Marketer MCH Healthcare | Smith School of Business - College Park, MD January 2018 to May 2018 Crafted an SEO/SEM strategy including social media optimization and web design to increase conversion rate and organic traffic. Enhanced online presence through digital marketing methodologies to drive business profitability and awareness for MCH Healthcare. Summer Intern McAdam Financial Advisors - Woodbridge, NJ May 2017 to August 2017 Prepared risk evaluation and exposure reports on annuities for several fund clients. Crafted discounted cash flow models with excel. Applied fundamental analysis to propose alternative fixed income securities for Roth IRA portfolios. Education Bachelor's in Finance University of Maryland, College Park MD - College Park, MD August 2015 to May 2019 Certificate in Financial Technology Byte

Academy - New York, NY May 2018 to August 2018 Skills Financial Analysis (4 years), Financial Modeling (4 years), SQL (2 years), Bloomberg (2 years), Google Analytics (2 years), Google Docs (4 years), Mathematics (4 years), Data Analysis (3 years), Databases (2 years), Programming (3 years), Python (3 years), C (1 year), C++ (2 years), Javascript (2 years), Bash (2 years), Git (1 year), Pandas (2 years), Numpy (3 years), STL C++ (2 years), Boost C++ (1 year), Scipy (1 year), Scikit-Learn (2 years), Tableau (1 year), SQL Server, Linux, HTML Links <http://bit.ly/jcern1>
<http://bit.ly/jcern2> <http://www.julio-cernadas.com> <https://github.com/julio-cernadas>
Certifications/Licenses Bloomberg Market Concepts January 2018 to Present Google Analytics February 2018 to Present Assessments Data Analysis Expert March 2019 Measures a candidate's skill in interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data. Full results: https://share.indeedassessments.com/share_assignment/9vjvsagcpv2e41cr
Critical Thinking Highly Proficient March 2019 Measures a candidate's ability to use logical approaches when solving problems. Full results: https://share.indeedassessments.com/share_assignment/qgvpgs53wn-czjba Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field. Additional Information Languages: Python, C/C++, SQL, JavaScript, Bash, Git, HTML/CSS Databases: MySQL, SQLite3, Postgres SQL, MongoDB Quantitative Packages: Pandas, Numpy, Alphalens, STL, Boost Data Science: Scikit-Learn, Scipy, NLTK, Tableau, Tensorflow Spoken Languages: English (Native), Spanish (Native)

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