Software Automation Developer Software Automation Developer Software Automation Developer - Nomura New York, NY Work Experience Software Automation Developer Nomura - New York, NY June 2017 to Present Optimized Full Valuation Recon scripts which compare and process 20+ GB datasets using ML Regression to find feature affecting breaks using Python and Scikit-learn, minimizing testing cycle process by 60%. ? Developed full stack tool to test Risk API for market and credit applications using Python, Flask, HTML5, and CSS3, saving 2 hours per testing cycle and designed UI to present report to stakeholders. ? Created full valuation-present value and dim comparison script using lasso regression to find breaks utilizing Python and Scikit-learn, saving 4 hours of analysis through implementation of machine learning. ? Restructured and implemented BDD testing in FitNesse using Python slim server, Jenkins; reduced human effort by 4 hours per testing cycle. ? Automated Risk analytics reporting for 5 regions (US, Europe, Asia Japan, India, Korea) utilizing Python, saving company 3 hours each day of 3 employees for 4 months. Python Teaching Assistant New York University - New York, NY September 2015 to December 2016 Instructed class of 40 undergraduate students in Python, assisting them in solving problems with procedural and object oriented programming. ? Taught students data structures and algorithms and topics ranging such as methods, classes, automation scripting, and file handling in Python. Software Engineer, Intern Hughes Network System - Gurgaon, Haryana June 2016 to August 2016 Contributed to real time data processing engine using Apache Storm and developed scraping module script to standardize input data for entire rules engine. Education Bachelor of Science in Computer Science in Computer Science New York University May 2018 Skills Python (5 years), Pandas (2 years), Numpy (2 years), TensorFlow (Less than 1 year), Scikit- Learn (Less than 1 year), Flask (1 year), SQL (2 years), Git (2 years) Links http://linkedin.com/in/vivekaggarwal28 http://angel.co/vivek-aggarwal-1 http://github.com/vivek28196

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