Summary of projects for which the code was provided to you:

Trade store (python)

- 24h interview (unsupervised) project for an electronic trading company
- trade_store.py programmed by me, unit test file provided (but added/edited some). All of the tests passed
- Requirements included using as few libraries and dependencies as possible and minimizing computational complexity
- Was requested to write excessive comments usually I'm more concise
- Automate orders, with proper symbols, lots, prices etc.

Phillips curve (R in R studio)

- Econometric project at KCL
- Very excessive comments required by the lecturer. No consideration for code encapsulation, "SOLID" practices etc.
- Gather data from sources like eurostat. Read the .csv files into R automate analysis of Phillips curve theory for multiple countries with linear regressions

Statistical analysis (R in R studio)

- Very excessive comments required by the lecturer. No consideration for code encapsulation, "SOLID" practices etc.
- Dickey-fuller testing for stationarity, Autocorrelation Function analysis
- Automatic ARIMA model fitting for autoregressive and/or moving average processes
- Make a simple forecast based on OLS regression

Philips curve & statistical analysis re-do (python)

- Re-done the above mentioned Statistical analysis and Phillips curve projects in python (project_1.py and project_3.py) Project_2.py was a contemporaneous and predictive regressions analysis of stock market returns vs macroeconomic factors for an essay assignment, also originally completed in R.
- Very excessive comments required by the lecturer. No consideration for code encapsulation, "SOLID" practices etc.
- Using libraries like numpy, pandas, matplotlib, seaborn and scipy. I'm quite proficient in pandas as I've done many projects with bigger utilization than in this one.Very familiar with numpy and matplotlib.

Other notable projects I've done:

Machine learning scanned document converter/reader

- PCA, k-means clustering, simple neural network for classification of letters.
- Numpy, jupyter notebook and Anaconda
- Covariance matrices and matrices operations

Mock university registration system

- During an academic group project created a secure (OWASP best practices etc.) remote database enabled application
- Java + MySQL stack with Java GUI (WindowBuilder) for user interface
- Practiced SCRUM and unit testing

Node JS with MongoDB based "copy-cat" of instagram web app

- Full web app development academic group project
- Worked in IntelliJ IDEA and as usual in group projects used github for repo management and version control.
- MEAN stack