ECE Capstone program  
Spring 2017  
Summary Project info

Please provide the following information to be shared with on capstone information exchange platform:

1. **Project number**: S17-26

2. **Project title (as will appear on the poster)**: Real-Time Candlestick Pattern Recognition and Financial Analysis for Intraday & Short-Term Trading (C.P.R & F.I.S.T)

3. **Team members**: Subramhanya Shankara Prasad, Mehul Vora, Christopher Steinert, Andrew Chan, Brandon Dunlap

4. **Adviser(s) name(s)**: Daniel Arkins (BlackRock Inc.), Jon Pucila (BlackRock Inc.), Prof. Maryam Dehnavi

5. **Up to 10 keywords that will help to classify the project**: Financial Markets, Technical Analysis, Robo-Trading, Intraday Trading, Pattern Analysis

6. **Project abstract (up to 200 words) to be shared with judges**:

   Nowadays, the clutter and abundance of information on financial analysis/advising websites and platforms deters new and novice investors. Our vision is to automate the analysis of financial markets and create a robo-advisor that displays only the crucial information and handles the decision-making on your behalf. Investing is a great way to secure your financial future, and we plan on drawing more investors into the financial market. We plan on creating a platform for short-term and intraday trading, since the volatility of these markets tends to attract only the experienced investors. All of the suggestions from our prediction algorithm will be presented in a clean user-interface, opening up the possibility for new users to invest with confidence.

   Day-Trading is a very lucrative field, but the high risk and volatility is a huge deterrent, even for experienced traders. We are introducing a very powerful feature that provides live minute-by-minute BUY-SELL-HOLD signals, allowing for any investor to turn a steady profit by allowing our robust trading algorithm to handle the analysis.