

**TEAM 3**

# WEB BASED STOCK FORECASTERS

## DEMO 2

A candlestick chart on a dark blue grid background. A dashed white circle highlights a specific area of the chart. A white line originates from the center of this circle and points towards the team list on the right side of the image.

**Peter Zhang**

**Vincent Chen**

**Robert Adrion**

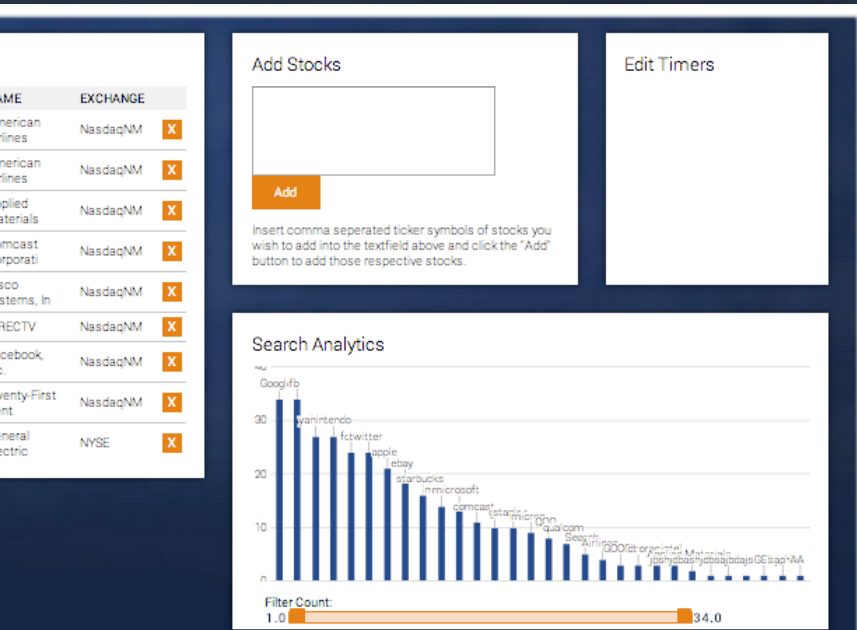
**Syedur Rahman**

**Robin Karmakar**

**Mohammed Latif**

**Manoj Velagaleti**

# FROM DEMO 1



Predicted Price: 37.12  
Confidence: 68.97

**BUY**

in 0 days for maximum predicted profit

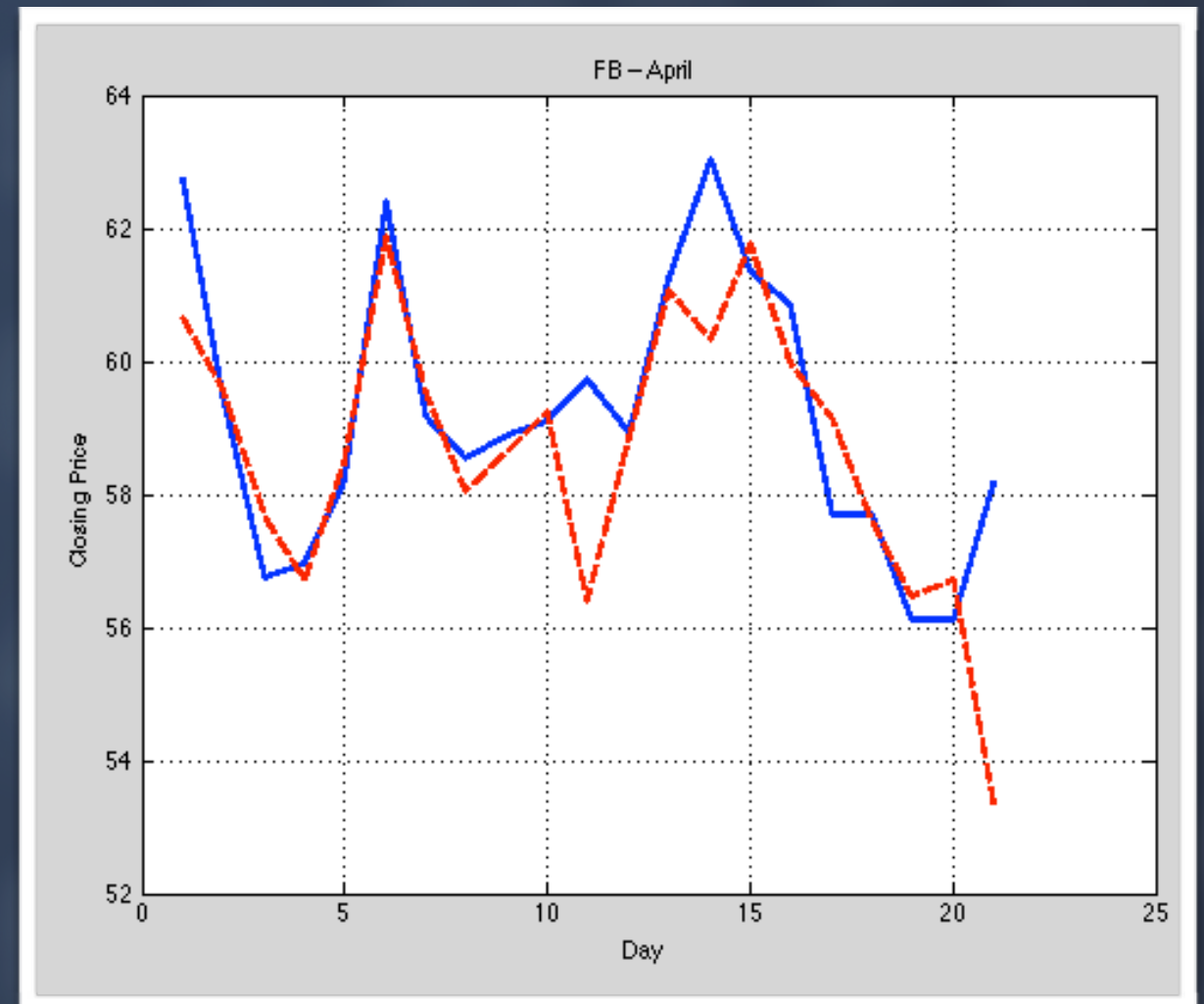
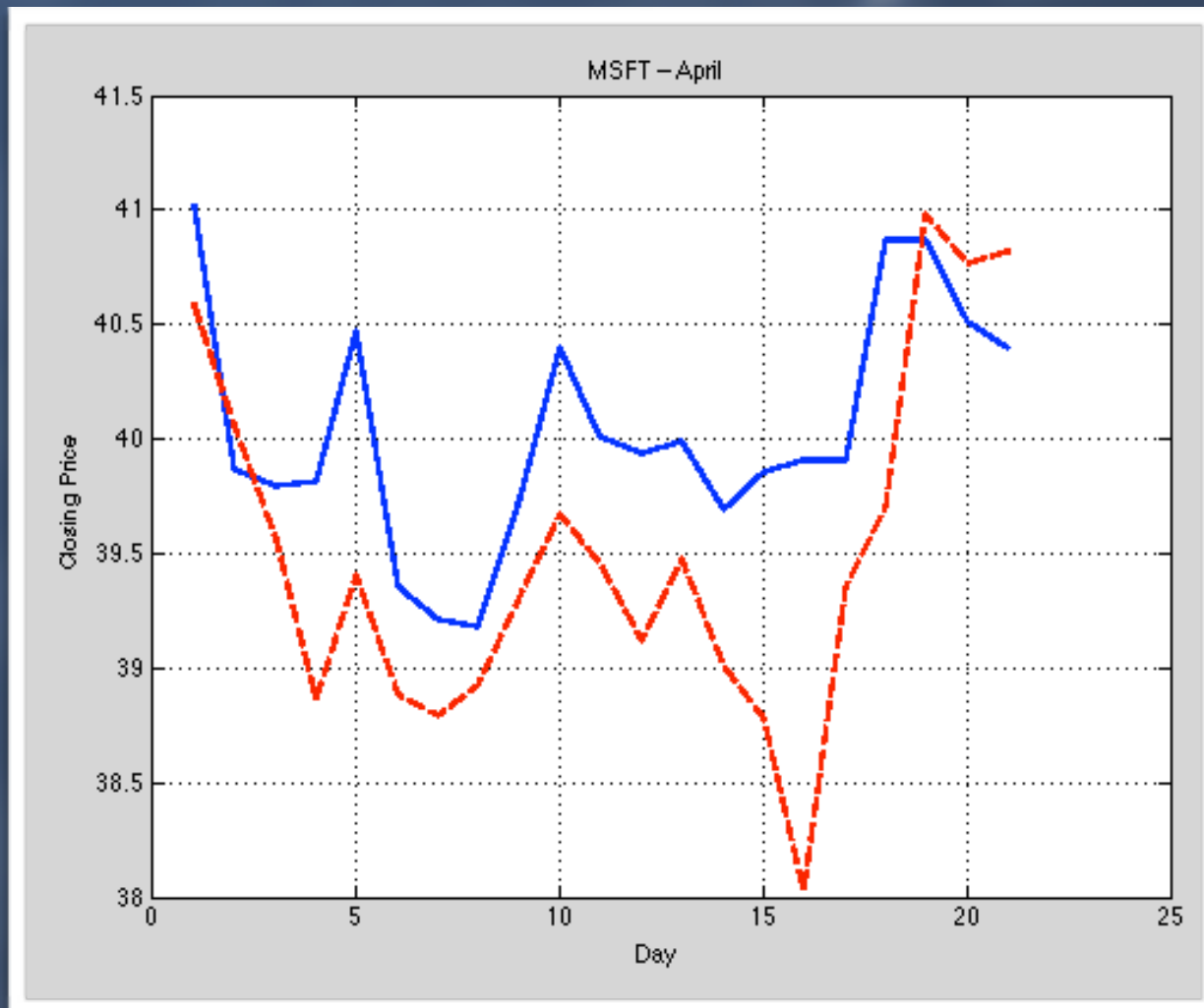
Predicted on 01/01/1970



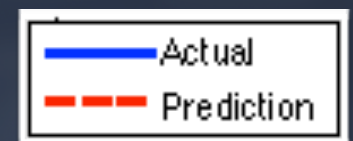
- Searching and suggestions.
- Predictions — Neural Networks
- Administrative features — Add/Remove stocks, search analytics



# Optimizing Predictions

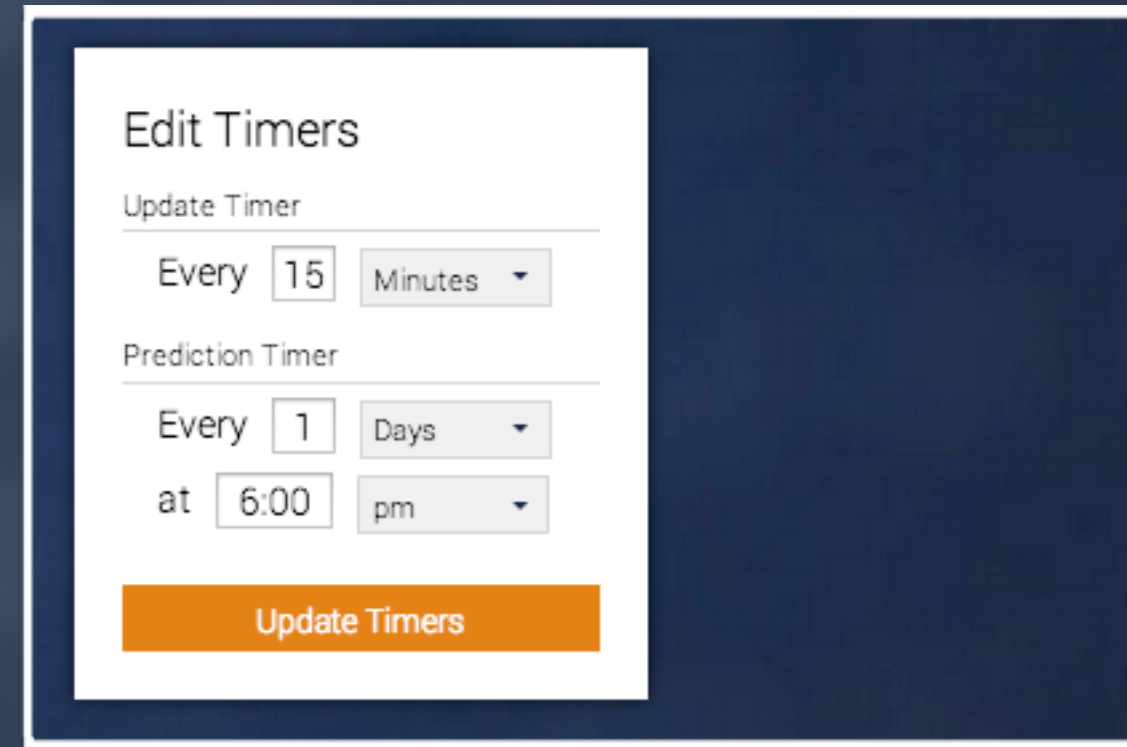


- Further optimization of neural networks.
- Addition of moving average interpolation using:
  - Simple Moving Average
  - Exponential Moving Average
  - Triangular Moving Average

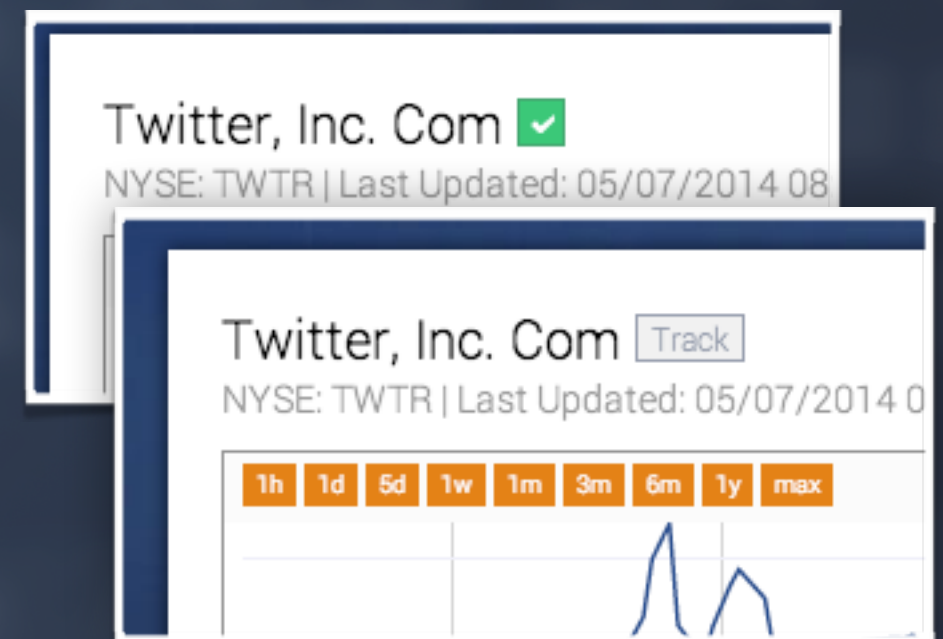


# Added Administrator/User features

- Administrative:
  - Prediction duration analytics
  - Edit update and prediction timers.
- User login/registration
  - Track/Untrack Stocks
  - View tracked stocks



The screenshot shows a web interface titled "Edit Timers". It contains two sections: "Update Timer" and "Prediction Timer". The "Update Timer" section has a label "Update Timer", followed by "Every" and a text input field containing "15", and a dropdown menu showing "Minutes". The "Prediction Timer" section has a label "Prediction Timer", followed by "Every" and a text input field containing "1", a dropdown menu showing "Days", and "at" followed by a text input field containing "6:00" and a dropdown menu showing "pm". At the bottom of the form is an orange button labeled "Update Timers".





# Added Search Features

## Microsoft Corpora

Microsoft Corporation is engaged in developing licensing and supporting a range of software products and services. The Company operates in five segments Windows Windows Live Division Windows Division Server and Tools Online Services Division OSD Microsoft Business Division MBD and Entertainment and Devices Division EDD. The Companys products include operating systems for personal computers PCs servers phones and other intelligent devices server applications for distributed computing environments productivity applications business solution applications desktop and server management tools software development tools video games and online advertising. In September 2013 Ericsson completed the acquisition of Microsofts Mediaroom business and TV solution. Effective October 23 2013 Microsoft Corp acquired Apiphany Inc. Effective February 4 2014 Microsoft Corp acquired an undisclosed stake in Foursquare Labs Inc.

Predicted Five Day Avg: 40.13  
Predicted Next Day's Closing: 39.95  
Confidence: 68.16%

**BUY**

in 0 days for maximum predicted profit

Predicted on 05/07/2014



Previous **1** 2 Next

- Stock summaries
- Sharing options
- Pagination to optimize loading times

# Future Work

- Add various other prediction models and further optimize current ones.
- Sending notifications via email/text for tracked stocks after predictions are made
- Additional pages (FAQ, Help, Contact, Terms of Service, etc)