Ratelytics

Real-Time Fleet Intelligence

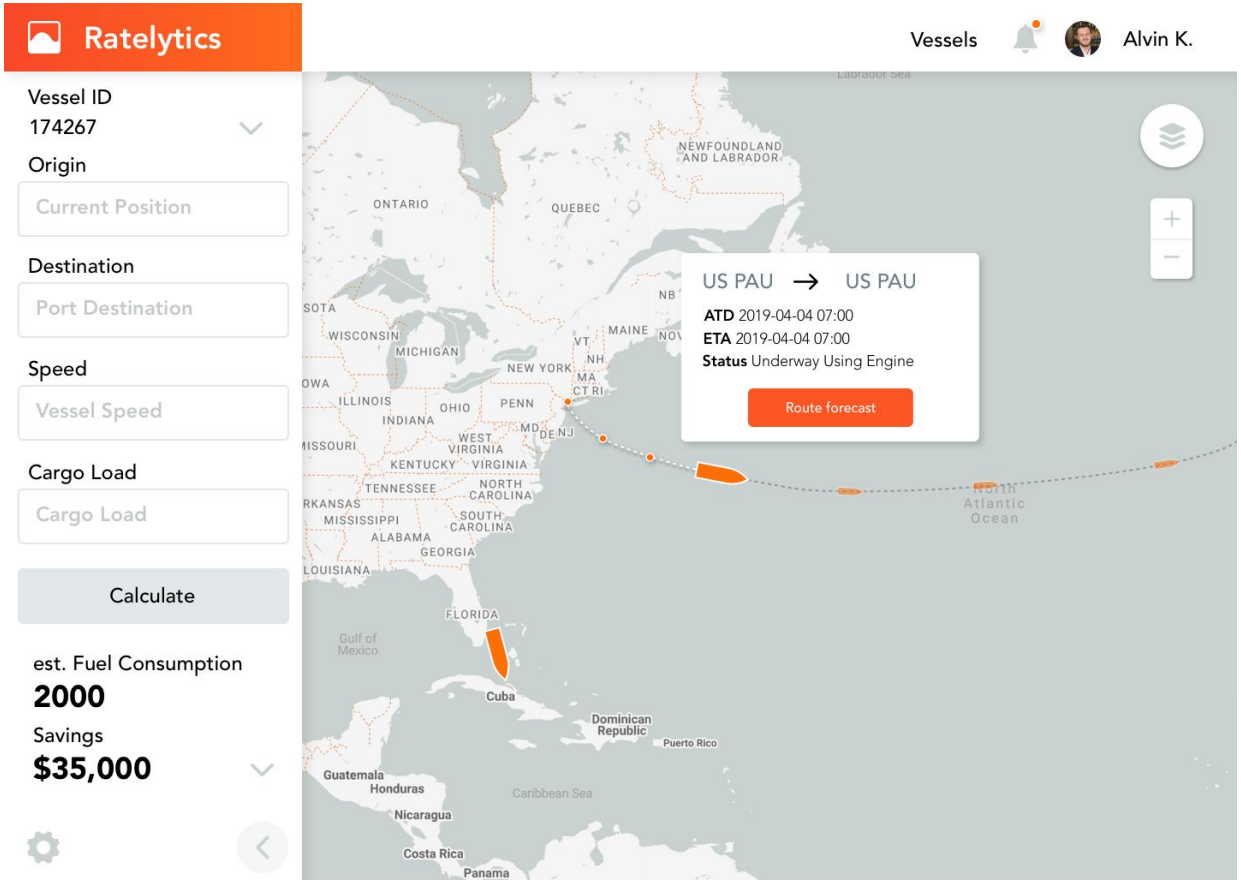
PROBLEM

- $100 Bi - Fuel Cost/year
- 50 - 70% of Total Vessel Cost
- Speed Inefficiency
- High Voyage Cost
- High Greenhouse Emissions

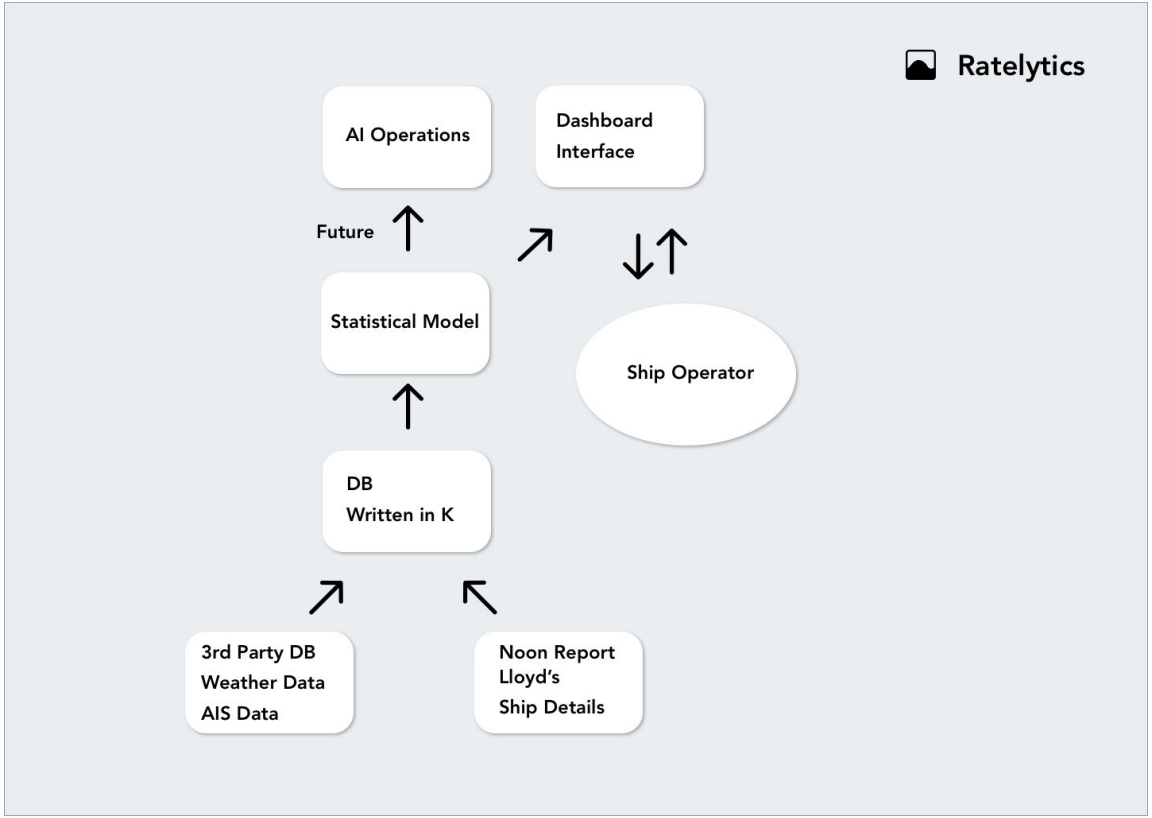
CUSTOMER NEEDS MET

- Fuel cost optimization
- Vessel centered process optimization
- Cargo Speed Prediction
- Transparency and Accountability

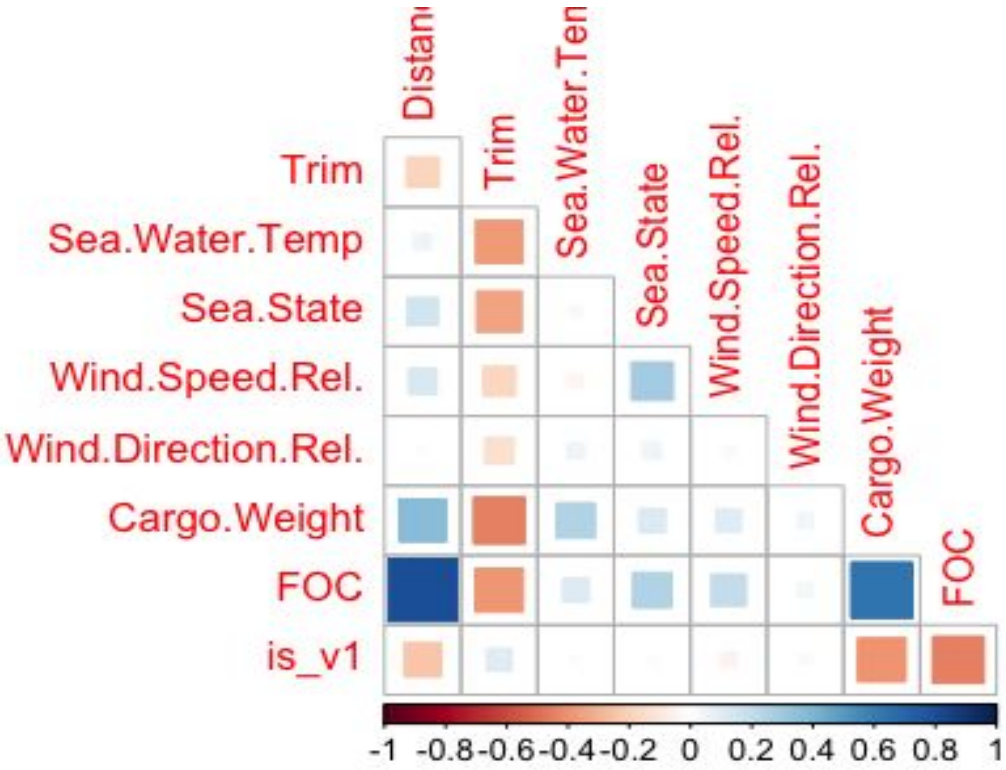
DASHBOARD


Ratelytics
Vessels
Alvin K.
Vessel ID
174267
Origin
Current Position
Destination
Port Destination
Speed
Vessel Speed
Cargo Load
Cargo Load
Calculate
est. Fuel Consumption
2000
Savings
$35,000
US PAU → US PAU
ATD 2019-04-04 07:00
ETA 2019-04-04 07:00
Status Underway Using Engine
Route forecast
NEWFOUNDLAND AND LABRADOR
ONTARIO
QUEBEC
MAINE
NEW YORK
MICHIGAN
WISCONSIN
ILLINOIS
INDIANA
OHIO
PENN
WEST VIRGINIA
KENTUCKY
VIRGINIA
TENNESSEE
NORTH CAROLINA
SOUTH CAROLINA
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
LOUISIANA
Gulf of Mexico
Cuba
Dominican Republic
Puerto Rico
Guatemala
Honduras
Nicaragua
Caribbean Sea
Costa Rica
Panama
North Atlantic Ocean

System Design

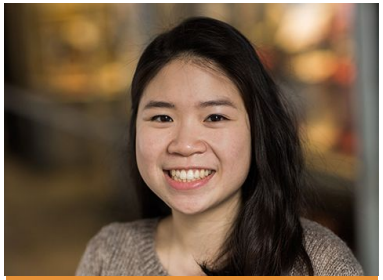


PRODUCT


Distan
Trim
Sea.Water.Ten
Sea.State
Wind.Speed.Rel.
Wind.Direction.Rel.
Cargo.Weight
FOC
Trim
Sea.Water.Temp
Sea.State
Wind.Speed.Rel.
Wind.Direction.Rel.
Cargo.Weight
FOC
is_v1
-1 -0.8 -0.6 -0.4 -0.2 0 0.2 0.4 0.6 0.8 1

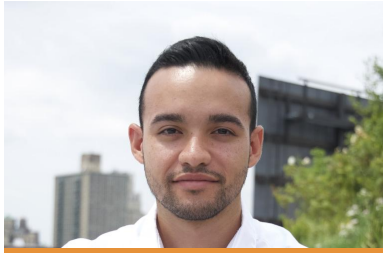
RAQUEL HOLLATZ
15 years in International Business & Logistics
rakerholl@hotmail.com

JING LI
Data Analyst
Columbia Master Candidate
l5358@columbia.edu

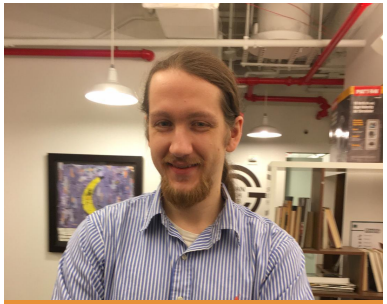


MAGGIE CHEN
Software Developer
mchen1415@gmail.com

ALBERTO GIANNETTI
Quantitative Developer
albertogiannetti@gmail.com



CARLOS MERCED
UX Designer
mail.merced@gmail.com



SYLVAN O'SULLIVAN
Data Scientist
sylvanosullivan@gmail.com

Go to Market Strategy Channels/Sales

- Initial Testing
- Reorder monitoring

- Expand beyond the USA, Europe & China Area
- Build-out online

- Roll-out new product lines
- Formal marketing campaigns

Milestones

Impact

- Container Trade Tonnage will 3.4%/year until 2030

- Ability to Major Cost
- Simulate The Cost
- Which Speed Cost

- Customers Pay/Monthly