

Sicong Li

Developer, BLM-Shipping for Android

Seattle, WA - Email me on Indeed: [indeed.com/r/Sicong-Li/884c0e0221bb6299](https://www.indeed.com/r/Sicong-Li/884c0e0221bb6299)

Sponsorship required to work in the US

WORK EXPERIENCE

Android Developer

BoLooMo International Technology Co., Ltd - September 2013 to May 2014

Developed an Android application toward tracking ships all over the world. The application can show the realtime

AIS signal of ships on the map. You can look up about 390,000 ships' information, 10,000 ports' information and 150,000 shipping companies' information in the application. It can show the ships' track and has the function to manage your own fleet.

- Developed the network interface using the Apache MINA framework, designed the message object, solved the problems of splitting packets and reassembling the split packets, encoded and decoded the data, encapsulated all the network functions into public API.
- Requested the AIS data of ships from server, stored the data in the client using SQLite, showed the icon of ships on the map and analyzed the previous data to show the track of ships.
- Requested the weather data from open source website, parsed the XML data using gson and showed the data on the pop-up window.
- Developed the ship information module, port information module, searching module. Requested data from client by json, put json string into packets using the network API, sent packets to server, got the packets from server, parsed the packets into objects that we designed and showed the data on the windows.
- Parsed the packets into SQL language in the server end, searched the data by SQL, put the data into packages and sent packages back to client.

Developer

BoLooMo International Technology Co., Ltd - December 2012 to August 2013

Developed a customized web client for customer to manage their ships. The web client can show the customer's

ships on the map. Customer can manage sailors, goods, supplies, repair events and so on both on ship and on shore

via browser. The web client has multiple functions like estimating shipping rate, financial management, assignments management by calendar, vessels management and so on.

- Used the Flex framework to develop the web client.
- Customized public components like buttons, pop-up windows, grids, pie charts, drop down boxes and so on.
- Designed the data structure to save, delete, add, change, search and show data according to the product requirement documents on the web client.
- Designed the json structure to request data from sever on the basis of requirement. Parsed the json came back from serve.
- Realized the functions of estimating shipping rate, financial management, vessels management, spare parts management according to the product requirement documents.

GRADUATE COURSES

Algorithm for Modern Computer Systems, Distributed System, Information Retrieval, Algorithms Analysis and Design,
Fundamentals of Programming Languages, Computer Vision and Image Processing, Multimedia Systems, Selected
Topics in Crowd Sensing Systems, Data Mining, Detection and Estimation 1

EDUCATION

Master's in Computer Science

University at Buffalo - Buffalo, NY
September 2015 to February 2017

SKILLS

C++ (Less than 1 year), JAVA (Less than 1 year), LINUX (Less than 1 year), PYTHON (Less than 1 year),
UNIX (Less than 1 year), Android (Less than 1 year)