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WANGYULONG

MALE/29

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Wuhan University Of  
Technology

Maritime Navigation  
School

Master's Degree

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**Projects :**

<https://github.com/NAVERON>

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**Job Intention**

Software Engineer

JavaWeb, python, JavaFx

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**Skills**

JavaWeb Development,  
JavaFx Client Development  
Java algorithm and use  
Software tools, CET 4

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## JOB EXPERIENCE AND INTENTION

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**Experiences:** (2019.07 – 2022.02) Java Development 2 years in Xiaomi, major in application management system. (2017.09 – 2017.11) Take a part-time job when I at school, learning machine learning theory and python.

**Job Intention:** Major in Java back-end programming, hope to be full stack developer. Expecting field is *Web Server, Simulation, Remote Control* and so on...

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## PROJECT RESULTS AND SKILLS

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**OPENSOURCE PROJECT & USV COLLISION AVOIDANCE  
ALGORITHM & APPLICATION MANAGEMENT SYSTEM**

**Application management system:** Major in Java backend development and fixup bugs. Responsible for the application automated testing system during in Xiaomi.

**USV simulation software:** Research in USV collision avoidance problems, develop simple simulation software using JavaFx.

**Opensource Project:** JavaFx simulation development

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## EDUCATION AND HOBBIES

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**Education :** Maritime Navigation & Computer Science, Highest Degree is Master Degree, transportation engineering. Details are below ...

**Hobbies:** Drawing and Art design, various sports.



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## EDUCATION BACKGROUND:

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### 1. Transport engineering Master degree | Wuhan University Of Technology

period: 2016.9 – 2019.7

major courses: Marine traffic modeling and simulation, Ship control theory and technology

### 2. Maritime navigation Bachelor degree | Wuhan University Of Technology

period: 2012.9 – 2016.9

major courses: The principle of the ship, ship operation and collision avoidance

### 3. Computer Science Minor degree | Huazhong University of Science and Technology

period: 2014.3 – 2015.10

major courses: data structure, operation system, compiler theory, so on ...

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## WHAT CAN I DO:

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### 1. Optimized software system or java web project

#### a. optimize the application management system processing

2 years experience on maintenance application audit system in Xiaomi, and fixup bugs if some logic is wrong. Based on Spring framework, having a semi-automatic audit process. Major Program language is Java;

#### b. compatibility label function development

Improved application compatibility label showing, before we have to management the compatibility label manually, and now it synchronized from mobile phone department, increased reusability.

#### c. library of hazardous application

In order to control the risk of application, create a library which store hazardous application, and add a management interface in content management system.

### 2. Learn by doing and complete some project

### **a. Programming skills**

Experience in Java basics and complete program development processes;  
Good adaptability and ability to learn quickly

### **b. Keep accomplishing one thing**

Based on Minor degree thesis, a simulation for ship collision avoidance, in the next 3 years, iterator delivery 4 versions and make it to be a complete tools, including displaying, animation, save simulation data to file and show operation during simulation. Here is hyperlink :  
<https://github.com/NAVERON/ShipSimulation>



**Github Opensource**

## **3. Others Skills**

### **a. Drawing and Art design**

Having basic skills to painting, and participate propaganda department making some posters. Also, have ability to design program structure.

### **b. Using software tools and find funny things**

Interested in software using and like to implement some function by myself. When I free, I will do some test to realize data structure or funny projects. Have experience using Mathematica Software, and help me solve math problems.