

REACHING NEW SHORES:



THE MARITIMEONE SCHOLARSHIP PROGRAMME

Featuring Scholars

*Calista Chan
Neo Boon Hock
Or Yi Ning
Fahrur Razi
Chan Yong Da*

SMEF Singapore
Maritime
Foundation

/ CALISTA CHAN /
SAILORS' SOCIETY – MARITIMEONE SCHOLAR

THE CALL OF THE SEA



Calista’s unique career at sea has shaped her into a more resilient and independent individual. She hopes to inspire more females to venture into this dynamic industry.

What made you decide to pursue a career in the maritime industry?

I was 15 when I first heard about the maritime industry. As an adventurous individual, I was naturally attracted to seafaring as a career, due to the exciting and unique experiences that only seafarers can have. It was this interest that led me to pursue a Diploma in Nautical Studies at the Singapore Maritime Academy at Singapore Polytechnic.

Which sector of the maritime industry excites you the most and why?

That would be seafaring! Unlike shore-based jobs, there are no fixed working locations when it comes to seafaring, as your office is on the sea. It is a hands-on and practical job, where I get to work on and solve problems. Travelling around the world and working onboard a vessel has made me a more independent individual, with a broadened perspective on life.

What were some of your preconceived notions about the maritime industry prior to joining the industry? What did you realise you got wrong — or right — about them?

I had the impression that this industry, especially the seafaring sector, was a male-dominated one. However, after joining the industry, I realised that the industry is progressing towards creating an environment that welcomes and supports women, offering favourable opportunities for both men and women to succeed. Currently, we are seeing an increasing number of females entering the industry, which shows that we are on the right track.

Could you share one interesting experience you have had as a MaritimeONE scholar?

The scholarship has given me plenty of exposure and the opportunity to pursue what I am most passionate about – sailing. I am grateful to Sailors’ Society for supporting me. Over the course of two internships spanning 12 months, I visited over 10 countries including Argentina, Brazil, Uruguay and witnessed countless beautiful sunsets and sunrises. Meeting people of different cultures and ethnicities is an experience that I will never get tired of.

How do you see yourself contributing to the maritime industry after graduation?

I see myself motivating and inspiring individuals, especially females, to join the maritime industry.

[COURSE OF STUDY]
Diploma in Nautical Studies

[SCHOOL]
Singapore Maritime Academy
(Singapore Polytechnic)

/ NEO BOON HOCK /
JURONG PORT – MARITIMEONE SCHOLAR

STEADY AS HE GOES

Boon Hock is confident that he can contribute to the industry’s growth and his internship with Jurong Port enables him to work on his area of interest – *process improvement and optimisation*.

What made you decide to pursue a career in the maritime industry?

I was attracted to the exciting digital transformation in the maritime industry, which promises improved productivity and efficiency.

Which sector of the maritime industry excites you the most and why?

It is definitely the port sector. With digitalisation, it is important that Singapore continues to maintain its competitive edge through innovation. The capabilities of our ports must be augmented to ensure that the processes remain efficient, and I hope to contribute to the optimisation of Jurong Port’s operations.

How do you think the MaritimeONE scholarship programme will aid you in your future career path and goals?

The MaritimeONE scholarship programme enables me to have a deeper understanding of the industry through internships and exchange programmes. Furthermore, through participating in industry events organised by the Singapore Maritime Foundation (SMF), I get the opportunity

to meet different people and expand my professional network.

Could you share one interesting experience you have had as a MaritimeONE scholar?

During my internship at Jurong Port, I had the opportunity to observe ground operations, and even got the chance to board a vessel to observe the loading and unloading of cargo. This was a novel experience for me as I come from a non-maritime background and had never seen port operations up close before. It is one thing to read about these operations in textbooks, and another to witness them firsthand.

How do you see yourself contributing to the maritime industry after graduation?

As the industry shifts towards digitalisation, personnel with backgrounds in Information Technology (IT), data analytics and process optimisation are key to supporting this transition. With my background in Industry and Systems Engineering, I am confident that I can contribute to the industry with a fresh perspective and different skillset.

Despite pursuing a non-maritime degree, he looks forward to acquiring practical experience and in-depth knowledge of port operations through his internship at Jurong Port to excel in his career upon graduation.

[COURSE OF STUDY]
Bachelor of Engineering in
Industrial Systems
Engineering and Management

[SCHOOL]
National University of
Singapore



/ OR YI NING /
PSA – MARITIMEONE SCHOLAR

MAKING HER MARK



[COURSE OF STUDY]
Bachelor of Engineering
(Computer Science) &
Bachelor of Business
(Business Analytics)

[SCHOOL]
Nanyang Technological
University

Juggling a double degree can be very taxing, but Yi Ning is determined to apply what she has learnt to expand the capabilities of Singapore’s port with PSA. She hopes to learn more about the organisation’s business management, and the ever-growing technology incorporated in both day-to-day operations and large-scale projects.

What made you decide to pursue a career in the maritime industry?

As a leading international maritime centre and the world’s busiest transshipment hub, Singapore is constantly facing intense competition from other countries. I chose to join PSA because I was greatly impressed by the way that they have innovated and transformed their facilities and process flows to maintain their competitiveness, despite intense pressure from competitors.

Which sector of the maritime industry excites you the most and why?

The sector which excites me the most is the port sector, in particular, the technology used in PSA’s large-scale projects and day-to-day operations. It is exciting to imagine the plethora of improvements that technology can make to the port’s operations. This is a change which I wish to be part of!

What were some of your preconceived notions about the maritime industry prior to joining the industry? What did you realise you got wrong — or right — about them?

Before joining the industry, I thought that the

industry is not suited for females. However, after doing some research and attending a PSA port business tour during the recruitment process, I realised that is not true. Women have equal opportunities as men, and in fact, there are many successful women in the industry!

How do you see yourself contributing to the maritime industry after graduation?

I hope that the knowledge gained from my degree will provide me with the necessary foundation for working in PSA. For a start, I would like to participate in the development of new technologies to increase the efficiency and productivity of our port through automation. Eventually, I hope to contribute to the overall business development and management of the port.

What advice or tips would you have for people who are keen to join the maritime industry?

The industry is constantly growing and offers many opportunities. Discover more about the industry online or speak to maritime professionals about their experiences. You will realise just how exciting it is. If you think this industry is for you, go for it!

/ FAHRUR RAZI /
'K' LINE – MARITIMEONE SCHOLAR

STAYING THE COURSE



Razi will be commencing a professional attachment with "K" Line Pte Ltd for six months. He hopes to embark on a life-long journey in the maritime industry, particularly in a shore-based role and support the growth of Singapore as a leading maritime centre.

What made you decide to pursue a career in the maritime industry?

During my National Service in 2012, I was posted to the Singapore Police Coast Guard and introduced to the maritime industry. I was fascinated by the large vessels and the large-scale processes involved in the transportation of goods by sea.

Which sector of the maritime industry excites you the most and why?

I am excited about joining the shipping sector. It will be very meaningful to be involved in the process of transporting goods such as basic commodities to people. I also hope to manage autonomous vessels in the future.

What were some of your preconceived notions about the maritime industry prior to joining the industry? What did you realise you got wrong — or right — about them?

Before my National Service, I had the misconception that it is difficult to enter the maritime industry. However, I later realised that this is not true as there are plenty of opportunities available, especially with Singapore's position as a premier global hub port. Moreover, you do not need to have a maritime background in order to enter the industry.

How do you think the MaritimeONE scholarship programme will aid you in your future career path and goals?

The MaritimeONE scholarship programme has provided me with various opportunities to interact with industry professionals. This has helped me to gain greater knowledge and understanding of the industry, which will benefit me when I start working full-time.

What advice or tips would you have for people who are keen to join the maritime industry?

I would suggest for them to find out more about the maritime industry through the SMF website and attend public events organised by the SMF to meet industry professionals and seek their advice. The more people you meet, the more you learn. You will also need to be very motivated and set goals for yourself. Doing these things will surely prove to be immensely rewarding in the long run.

[COURSE OF STUDY]
Bachelor of Science in
Maritime Studies

[SCHOOL]
Nanyang Technological University

/ CHAN YONG DA /
SEMBCORP MARINE – MARITIMEONE SCHOLAR

THE ART AND SCIENCE OF SHIPBUILDING



[OCCUPATION]
Project Engineer,
Sembcorp Marine Ltd

Yong Da coordinates and ensures the timely completion of shipbuilding projects. As part of his maritime journey, Yong Da completed the CoC Class 5 (Marine Engineer Officer) certification. He finds great satisfaction in seeing a vessel building project to completion, and aspires to be a Project Manager for new shipbuilding projects in the future.

What made you decide to pursue a career in the maritime industry?

After discovering that the maritime industry is such a significant one, with 80% of world trade carried by sea, it made me curious to find out more. My journey started when I decided to study Marine Engineering at the Singapore Maritime Academy in Singapore Polytechnic – fast forward many years later, I now work on newbuild projects as a Project Engineer with Sembcorp Marine.

Which sector of the maritime industry excites you the most and why?

Shipbuilding intrigues and excites me the most, as I enjoy innovating and building things. Being part of this sector allows me to learn and understand how a vessel is built from scratch and it is incredibly fulfilling to see the completion of a vessel.

What were some of your preconceived notions about the maritime industry prior to joining the industry? What did you realise you got wrong — or right — about them?

When I was still pursuing my diploma, I had the impression that being an engineer was a strenuous career. However, I realised I was mistaken when I sailed as a marine cadet engineer officer and learnt that the

vessel was equipped with automation technology. For example, there is the Unattended Machinery Spaces (UMS) function, where all the machinery in the vessel can be controlled from the cabin or engine control room. There was no need to enter the machinery space except when we had to do maintenance work.

Could you share one interesting experience you have had as a MaritimeONE scholar?

I had the chance to participate in the first sea trial of the world's largest semi-submersible crane vessel after its completion. It was a three-week stint in the South China Sea. During the journey, we tested the machinery and equipment to prove their operational capability in the deep ocean. Despite the numerous challenges faced while building the ship, witnessing the crane vessel lift 20,000 tonnes of load and cruise through the ocean was worth it.

What kind of career path do you envision for yourself?

I see myself working as a project manager for newbuilds in the future. Though I am still in the midst of discovering future career options, I am certain that I will continue my journey in the maritime industry, as this is where my passion truly lies in.

HOW DOES TEA IN YOUR BUBBLE TEA REACH SINGAPORE?



Step 1

A new bubble tea chain has opened in Singapore and has placed an order for tea leaves with a tea exporter in Indonesia.



Step 2

Tea leaves are packed into containers, ready to be shipped to its destination.



Who is involved?

Marine Insurance Underwriter

A marine insurance underwriter evaluates risk and ensures adequate coverage for cargo owners in the event of accidents and unforeseen losses.

Step 4

The vessel is now on its way to Singapore.

Who is involved?

Ship Captain

A ship captain ensures safe and efficient ship operations, including the management of cargo and the welfare of the crew.

Marine Engineer

A marine engineer provides technical support to overall ship operations to ensure the ship functions smoothly.

Step 3

Containers are loaded onto a container vessel.



Who is involved?

Ship Agent

A ship agent acts as a representative of a vessel owner, and facilitates the vessel's entry and departure from the port.

Step 5

Vessel berths at Singapore's port.



Who is involved?

Container Equipment Specialist (Automated Cranes)

A container equipment specialist manages a fleet of automated yard cranes and handles automation exceptions to ensure cargo is loaded and unloaded safely and efficiently.

Step 6

The cargo is placed onto trucks and delivered to the respective distribution centres.



Step 7

The tea leaves are distributed and delivered across bubble tea outlets in Singapore.



THE SINGAPORE MARITIME INDUSTRY

Singapore is a thriving International Maritime Centre and home to one of the busiest ports in the world.

We are connected to 600 ports in over 120 countries, with more than 130,000 vessels calls annually – every 2-3 minutes, a ship arrives or departs our shores. With digitalisation transforming the industry, maritime companies are embracing new technologies and tech start-ups are on the rise.

Across the port, shipping, maritime services, and marine and offshore sectors, there is a wealth of opportunities available for those ready to make their mark.



VOYAGE TO SUCCESS

Through the MaritimeONE Scholarship Programme, SMF strives to develop outstanding maritime talent that can support the continued growth of the industry.

In addition to financial incentives, the scholarship programme augments the learning of MaritimeONE scholars through overseas exchange programmes and internships, which enable them to gain a deeper appreciation of the industry. MaritimeONE scholars are also given the opportunity to expand their professional network through meeting with industry professionals at industry events.

They say time and tide wait for no man. If you have a taste for adventure and want to make your mark in a dynamic industry, apply for the MaritimeONE Scholarship Programme today!

Scholarship applications run from April to May and are open to various degree and diploma programmes. For more information, simply scan this QR code.



FIND YOUR MATCH

There are many fulfilling career opportunities offered by the maritime industry.

Cross off the top 3 traits that best describe you and find out which career is for you!

<div>01</div> <div>ADVENTUROUS</div>	<div>02</div> <div>GOOD WITH PROBLEM-SOLVING</div>	<div>03</div> <div>ORGANIZED</div>	<div>04</div> <div>INNOVATIVE</div>
<div>05</div> <div>ADAPTABLE</div>	<div>06</div> <div>OUTGOING</div>	<div>07</div> <div>METICULOUS</div>	<div>08</div> <div>GOOD WITH PEOPLE</div>
<div>09</div> <div>INDEPENDENT</div>	<div>10</div> <div>GOOD WITH NUMBERS</div>	<div>11</div> <div>CURIOUS</div>	<div>12</div> <div>RESPONSIBLE</div>

If you are...

Adventurous/ Independent/ Outgoing
Careers to consider: **Ship Captain, Marine Engineer**

Good with numbers/ Good with problem-solving/ Meticulous
Careers to consider: **Data Analyst, Ship Financier, Container Equipment Specialist (Automated Cranes)**

Adaptable/ Curious/ Innovative
Careers to consider: **Naval Architect, Project Manager (Newbuild)**

Good with people/ Organized/ Responsible
Careers to consider: **Ship Broker, Ship Operator, Marine Insurance Underwriter**



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