



# Marítimo

Iniciar

# Conoce a Mischa...



Virtudes	Debilidades
<ul style="list-style-type: none"><li>-Bilingue</li><li>-Creativa</li><li>-Meticulosa</li><li>-Produce y valora trabajos de calidad</li><li>-Líder silenciosa</li><li>-Ayuda</li><li>-Espíritu alegre</li><li>-es mejor trabajando en equipo o en grupo</li></ul>	<ul style="list-style-type: none"><li>-Trabajadora lento</li><li>-Olvidadiza y desorganizada</li><li>-A veces controladora</li></ul>

Mischa es una joven de 17 años que se mudó a los Estados Unidos desde Michoacán, México, a una edad temprana. Le gusta dibujar, pintar, leer y escribir poesía y trabajar con diferentes lenguajes informáticos (es decir, JavaScript, Python, etc.). Los fines de semana, vende su arte en línea y es voluntaria en su escuela primaria local para traducir para familias de habla hispana en los diversos talleres que ofrece la escuela. Los amigos y familiares de Mischa la describen como una ambivalente creativa y meticulosa que valora la calidad sobre la cantidad, lo que a veces puede hacer que complete las tareas a un ritmo más lento que otras. También es conocida por ser olvidadiza y desorganizada, y aunque es conocida por ser una líder silenciosa admirable, a veces puede enmascararse como controladora. Sin embargo, su pasión por ayudar a los demás es evidente en su espíritu alegre.





# Sectores

Elija un sector para comenzar.



Industria pesquera



Navegacion y envio



Ingeniería naval



Ambiental

¿ Que es marítimo?

Entrevistas con empleados  
marítimos del puerto de Seattle

Ver academias marítimas

# Maritimo Academies

¿Qué oportunidades educativas existen? ¿A qué tipo de universidades o escuelas debería asistir para comenzar o ayudar en su carrera en Maritime? Esencial para una carrera posterior, hay muchas academias marítimas a las que puedes ir.

- [Academia Marítimo de Seattle | Seattle, Washington](#)
- [Academia de la Marina Mercante de los Estados Unidos | Kings Point, Nueva York](#)
- [Universidad del Sureste de Alaska | Juneau, Alaska](#)
- [Academia Marítima de la Universidad Estatal de California | Vallejo, California](#)
- [Academia Marítima de los Grandes Lagos | Traverse City, Michigan](#)
- [Academia Marítima de Maine | Castine, Maine](#)
- [Academia Marítimo de Massachusetts | Buzzards Bay, Massachusetts](#)
- [Universidad Estatal de Nueva York Marítimo universidad | Ciudad de nueva york](#)
- [Academia Marítima de Texas A&M | Galveston, Texas](#)
- Campus marítimo de San Jacinto Comunidad

Universidad Houston | Houston, Texas

  **Haga clic aquí para volver a los sectores**



Academia Marítima de Seattle

# An Introduction to Maritime

Maritime: Any activity pertaining to, or related to the **sea, ocean, or water.**

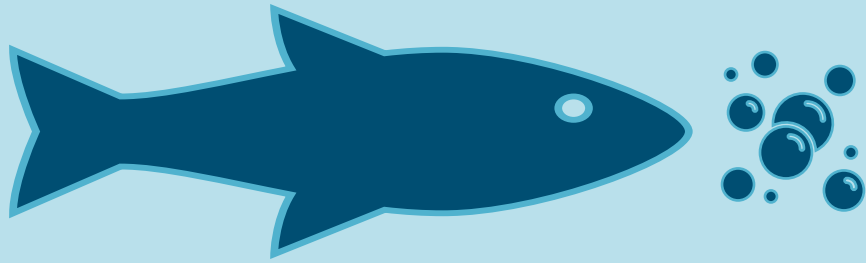


If you are someone who wants to go into a career related to the water, without physically being on the water, Maritime is still a great choice. There are careers on and off the water.



click here to return to sectors





# Fishing Industry

*Choose a subsector to learn more about specific careers.*



Commercial Fishing



Processing and Butchering



Seafood



Fish Farming



Careers

The fishing industry is a wide and very in-depth industry, with plenty of opening jobs and opportunities for further careers for youth. The fishing industry is a massive part of the Maritime field and it's not just sitting on a boat casting a line out, even if that is an option! From factory work to the restaurant industry to many other jobs, the fishing industry has something for everyone and is a perfect gateway into the Maritime trade.



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# Commercial Fishing

Commercial fishermen and fisherwomen harvest a wide variety of marine life, ranging from tuna, cod, and salmon to shrimp, krill, lobster, clams, squid, and crab. All in various fisheries of the Puget Sound, Seattle area.

## Facts about Commercial Fishing with The Port

Fishing vessels that moored at Port of Seattle facilities, operating in the Alaskan fisheries generated gross earnings of more \$455 million in 2017.

October through May, Fishermen's Terminal and Terminal 91, serve as homeport for the North Pacific Fishing Fleet and factory trawlers.

According to the [Alaska Fishing Employment Center](#), salmon fishermen can earn up to \$20,000 in three months, while crab fishermen can make up to \$15,000 per month. In past years, deckhands on Bering Sea crab-fishing vessels have been known to earn up to \$100,000 over a six-month crab-fish season.



Fishermen's Terminal – Located in West Seattle, WA



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# Processing and Butchering

## What is a Processing and Butchering?

Processing and Butchering refer to the act of turning fish and fish meat into usable or consumable goods. Their list of duties are varied and include butchering shellfish and fish for further processing, cleaning the fish, operating machinery and unloading and loading.

## What Are Some Job Opportunities?

- Transportation and unloading of seafood
- Butchering and preparation of fish for further steps
- Cannery work
- Machine engineering to process the seafood
- Maintenance work within the factories
- Janitorial work and more

## How Do I Get This Career?

- Typical career path
  - Cleaner/Assistant (low-skill labor) > Butcher (hands on work) > Manager (works with machines, typically runs crews) > Plant Manager.
- Entry level workers make around \$33,126 annually.



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# Seafood

## Jobs that involve seafood:

- Seafood Processor
- Seafood chef
- Seafood assistant manager
- Payroll manager
- Deck hand
- Senior financial analyst
- Meat cutter
- Smoke master
- Mate
- Cost accountant
- Etc.

- The consumption of seafood drives a very large industry.
- The average American consumes almost 16 pounds of seafood each year. That's a lot of food, even when compared to bigger numbers.
- There's a high demand for seafood and jobs such as the preparation of seafood, the serving of seafood as well as the stocking of it in stores.
- Some jobs one could get in the Seafood industry is **Restaurant Work**, working in a seafood-oriented restaurant, and the Selling and Buying of large amounts of seafood in bulk to transport to different restaurants.



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# Fish Farming

Some jobs you could find in fish farming are **Breeders**, who breed the fish and take care of them, **Engineers** who build and maintain the tanks and systems, and **Conservation Fishermen**, who catch the fish to transport them to the farm.

Fish Farming or pisciculture involves raising fish commercially in tanks or enclosures such as fish ponds, usually for food. It is the principal form of aquaculture, while other methods may fall under mariculture

**How much does a Fish Farmer make in the United States?** The **average** Fish Farmer salary in the United States is around **\$46,871** but starts around **\$43,500**

What is the most **profitable** fish to farm?

**Eel Fish Farming** made it's way to the surface in the 1950s and is considered still to be one of the **most profitable** in terms of value in the fishing industry. However, the profit value is largely driven by **the Asian markets** and is **culture specific**.



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# Careers in the Fishing Industry

## Commercial Fishermen

Most commercial fishermen are self-employed or work on a family owned vessel.

### **Successful fishermen :**

- Adaptable (can adjust to changes or complications)
- Strong
- Persistent
- Have patience
- Enjoy being on the water

## Fish Farmer

Fish farmers are the people who breed fish. Fish farming is the principal form of **aquaculture**, which involves :

- Raising fish commercially in tanks, ponds, or other enclosures
- Breeding fish from egg to adult stock
- Feeding fish by hand or by machine
- Monitoring the health of the fish and treating the when appropriate

## Deckhand

Becoming a deckhand is hard work but is a great start to a fishing career.

### **Successful deckhands :**

- Work very long hours
- Move heavy objects on and off the vessel
- Get along well with others in remote, wet, cold conditions
- Have a positive attitude
- Abide by safety rules

## Seafood Processor

The seafood processing industry searches for employees who :

- Enjoy physical work
- Enjoy working with a multicultural team
- Take pride in their work to make quality seafood products
- Work with others in remote, adventurous locations
- Recognize the value of following directions and safety rules.



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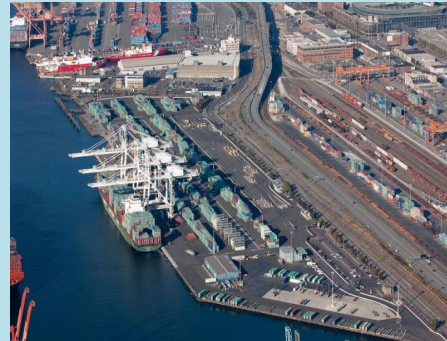


# Boating and Shipping

*Choose a subsector to learn more about specific careers.*



Cargo Shipping



Selling and Buying



Recreational Boating



Cruises

A huge part of the Maritime industry is the many careers and industrial structures that involve boats and cargo shipping. This includes boat maintenance, unloading and shipping cargo, working on the boats themselves and managing activities that deal with boating as a recreational activity.



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# Cargo Shipping

## What is a Cargo Shipping?

Cargo shipping is the act of shipping large amounts of cargo on massive ships from port to port all around the world! As you can imagine, this requires a lot of people to maintain the work and keep things running. Over 60%-80% of international trade is done by cargo shipping alone.

## What Are Some Career Opportunities?

- Longshoreman
- Cargo Supply Specialist
- Warehouse Worker
- Divers

Click here to  
learn more about  
these careers



click here to learn more

# Selling and Buying/Maritime Merchant

## What is a Maritime Merchant?

Maritime Merchants travel across the globe in cargo ships. Their job is to sell and buy at various ports across the world. Most Maritime Merchant are sailors that do various labor jobs on the ship itself when not at ports.

## What Are Some Career Opportunities?

- Manual Laborer
- Sailor/Merchant
- Ship Captain

Click here to  
learn more about  
these careers

## How Can I Get a Career?

- Typical career path
  - **Manual Laborer** (entry-level work aboard the ship) > **Sailor/Merchant** (selling and buying as well as handling cargo) > **Ship Captain**
- Training
  - Many Merchant Marines receive their training at a government-sponsored maritime academy. The Maritime Administration, a U.S. Department of Transportation agency, provides some funding to several Maritime Academies such as: California Maritime Academy in Vallejo, and many more.



click here to learn more



# Recreational Boating

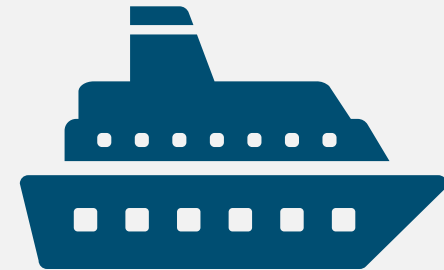
## What is Recreational Boating?

Recreational Boating is the act of boating in your free time. It is often a supervised or otherwise managed activity, where one would have to rent a boat and a port in order to partake in it. Recreational Boating also includes those who like to go on cruises in their free time.

## Careers in Recreational Boating

- Piloting a Ship
- Maintenance of Boat and Dock
- Harbor Operations
- Harbor Customer Service Specialist

Click here to  
learn more about  
these careers



Click here to learn more about cruises



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# Cruises

## What Are Cruises?

Cruise ships are large recreational ships meant to house a large amount of people. The career can relate to a hotel on the water. Working on cruises requires great customer service in order to give passengers a great experience while they are travelling. There are 5,500 jobs related to cruise.

## What Are Some Career Opportunities?

- Customer Service
  - Restaurant crew
  - Maintenance crew
- Deckhands
- Ship captain
- Pilot

Click here to  
learn more about  
these careers

## How Can I Get a Career in Cruises?

- Typical career path
  - **Customer Service** (entry-level work aboard the cruise) > **Deckhand** (maintaining cruise) > **Supervisory or Mid-level Management Based on Education and Experience** > **High-level Management Position** (ship captain or pilot)



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# Careers within Boating and Shipping

## Recreational Boating

### Piloting a Ship

Pilots are expert ship handlers, they drive boats- not fly planes! They also provide the Master with local knowledge and help them get through the water safely.

### Harbor Operations Specialist

Harbor operations specialists play an integral role in delivering excellent customer service to visiting boaters and the boating community by maintaining a safe, secure and pleasant environment, while performing marina and business office administrative duties. This career can be found at Fisherman's terminal and Shilshole Bay Marina.

### Maintenance of Boat and Dock

A career in maintaining boats and docks' main goal is to keep the customer happy by keeping the docks in the best shape possible. This may look like repairing docks or keeping boats attached to them.

### Harbor Customer Service Specialist

Harbor customer service specialists work with Shilshole Bay Marina team members to achieve business goals and objectives by providing outstanding customer service to all marina tenants, guests and visitors and by performing marina office and administrative duties



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# Careers within Boating and Shipping

## Cargo Shipping

### Longshoreman

Longshoremen are responsible for preparing the docks to load and unload the cargo. They are also responsible for checking to make sure that all the cargo is there and hasn't been damaged in transportation. A longshoreman's hourly pay is based off of their contract work, sometimes ranges from \$20.00/hour to \$23.75/hour.

### Cargo Supply Specialist

Cargo specialists ensure service members all over the world receive needed supplies. They also transfer supplies safely and efficiently to their destinations. Responsible for supervising the transfer of cargo to and from air, land, and water. Transportation is done by manual and mechanical methods. They also plan and organize loading schedules.

### Warehouse Associate

The duties of a Warehouse Associate are to load/unload cargo from trucks, prepare and palletize cargo as needed, make sure paperwork related to cargo is correct, and organize warehouse and storage facilities. Associates must be able to lift 50 lbs.



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# Careers within Boating and Shipping

## Selling and Buying/Maritime Merchant

### Ship Captain

The captain is the head of the ship. It is their responsibility to stay on top of all operations issues, supervise cargo that goes in and off the ship, maintain a log of the speed and distance of the ship, and other important leadership duties. A ship captain should possess maritime knowledge, communication skills, and be able to adapt quickly.

### Manual Laborer

A manual laborer's main duties include physical work. It is their job to prepare construction sites, build and takedown structures, operate machinery and heavy equipment, and other laboring duties. Laborers must be able to see correct colors, be great in mathematics, be able to move heavy equipment, and have stamina and endurance.

### Maritime Merchant

Maritime Merchants travel across the globe in cargo ships. Their job is to sell and buy at various ports across the world. Most Maritime Merchant are sailors that do various labor jobs on the ship itself when not at ports.



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# Careers within Boating and Shipping

## Cruises

### Customer Service

Good customer service on a cruise is necessary to keeping the guests happy. A career in customer service may look like cleaning up after guests, working in the restaurant, and anything that keeps guests happy while aboard the cruise ship.

### Deckhands

A Deckhand has many jobs onboard the ship. These include cooking, cleaning, helping coworkers, and other important tasks. Usually, a Deckhand will get promoted or find some sort of specialized job for him/her, like being a chef, a fisherman, or an engineer.

### Ship Captain

A ship captain is essential to the cruise. It is their job to transport all people to the destination. Not only do they transport the people, but they are also the main point of contact for anything that happens on the ship.

### Pilot

Pilots are expert ship handlers who provide captains with knowledge of the local area. Some of the duties include guiding the ship to the dock, and helping Masters get through the water safely.



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# Ship Captain

## What is a Ship Captain?

A Ship Captain must start somewhere before they can start being a captain for vessel regardless of the type captaining you do. You must attend & pass a Maritime academy of some kind. After passing from an academy, you become the ship captain pilots several types vessels for a multitude of reasons. This includes cruise ships, mercantile vessels, fishing vessels and yachts and private boats for recreational boating, the captain doesn't pilot 24/7 the Officers do day by day hours that the captain isn't there piloting, otherwise known as a mate it's the captains most trusted & is able to pilot when captain isn't there.

Their paycheck depends on several factors such as years of experience for the Crew & Captain, the type of vessel that's piloted, how long they're piloting the vessel for the job and what job it is. The event time & location, but usually \$84,000-\$84,150 per year.

## Careers

- Cruises for Yachts' & Small vessel piloting
- Boating & Fishing
- Cargo shipments'
- Recreational boating
- Navy Ship/Submarine Cap.



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# Longshoreman

## What's a Longshoreman?

A Longshoreman who is a waterfront manual laborer they're responsible of preparing the docks to load & unload freight from cargo ships to docks, trucks, trains or airplanes. Longshoreman check that all the cargo is there, & make sure it's not damaged while being transported, cargo that is imported often includes shipping containers, barrels of oils or other substances, & even coal or grain.

Longshoreman's hourly pay is based on contracts of work, \$20.00 to \$23.75 per hour. It depends on the longshoreman's experience & depends on the they have work done in their career.

## Dockworker's type of work:

- Heavy machinery operations on the docks
- Preparing the docks for ships & shipments
- Loading & unloading special cargo
- Loading & unloading shipments'
- Checking on how the cargo/shipments' is
- Maintaining awareness of surroundings and potential safety hazards when performing duties.



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# Naval Engineering

*Choose a Naval Engineer subsector to learn more about specific careers.*



Boat and Vessel  
maintenance



Building vessels



Civil engineering



Hydrodynamics

Naval engineering type of jobs include the engineering/maintenance for boats, ships, oil rigs, & marine vessels & structures. Additionally, it incorporates ocean engineering.



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# Boat & Vessel Maintenance

- Stay tuned for more content

# Building Vessels

- Stay tuned for more content

# Civil Engineering

- Stay tuned for more content



# Hydrodynamics

- Stay tuned for more content!

# Medioambiental

*Elegir un subsector para aprender mas sobre carreras especificas.*



Descarbonizacion



Derecho y Politica



Conservacion



Desarrollo Sostenible y Regeneracion

El sector ambiental se centra en la conservación de los hábitats naturales ubicados en océanos, mares, bahías, estuarios y otros cuerpos de agua. Debido a la rápida tasa de cambio climático, las operaciones marítimas en el sector ambiental trabajan para reducir las emisiones marítimas, mejorar la calidad del aire y capturar carbono.



← presiona aqui para volver a los sectores

# Decarbonization

## ¿Qué es la descarbonización?

La descarbonización se relaciona con la reducción de las emisiones de gases de efecto invernadero que se liberan a la atmósfera. Estos gases incluyen dióxido de carbono, metano, óxido nitroso y gases fluorados.

## Proyectos y prácticas en curso

Este hito importante, que tanto tiempo se ha buscado, votado en la reunión de la Comisión el 14 de abril de 2020 (tema 8a de la Agenda), es el resultado de la autorización para un contrato de suministro a 10 años con U.S. Gain for Renewable Natural Gas (RNG), una alternativa de gas natural con bajo contenido de carbono producida con mayor frecuencia a partir de residuos de vertederos. RNG no produce nuevas emisiones de carbono porque reemplaza los combustibles fósiles y recicla el carbono existente en la atmósfera.

El contrato de 23 millones de dólares permite al Puerto comprar combustible suficiente para calentar el 55% de la Terminal DEL Aeropuerto Internacional de Seattle-Tacoma (SEA) y para impulsar el 100 por ciento de su flota de autobuses para alcanzar su objetivo de reducción de carbono del 50 por ciento en todo el puerto. SEA será el primer aeropuerto del país en utilizar RNG para calefacción.



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# Law & Policy

Include brief definition

## Facts about decarbonization with The Port

Include stats and facts + projects and status



Fishermen's Terminal – Located in West Seattle, WA



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# Conservation

Include brief definition

## Facts about decarbonization with The Port

Include stats and facts + projects and status



Fishermen's Terminal – Located in West Seattle, WA



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# Desarrollo Sostenible & Regeneration

## Que es Desarrollo Sostenible y Regeneration

Desarrollo sostenible es el concepto de que las sociedades deben vivir y utilizar sus recursos necesarios sin afectar la capacidad de las futuras generaciones

## Estadísticas y Progresos en el Puerto de Seattle

- Emisiones de barcos oceanicos, incluyendo los cruceros que entran en el Puget Sound, han disminuido un 67% en los ultimos diez anos

## Proyectos y Practicas en curso

- Conservacion del agua
- Limpieza del Rio Duwamish
- Remediacion de Terminal 108



Fishermen's Terminal – Located in West Seattle, WA



presiona qui para volver a los sectores



# Job Titles

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## Shipbuilding

- Shipbuilding is the construction and Maintenance of ships and other floating vessels. Shipbuilding and ships repairs, both commercial and military are referred to as " naval engineering. Welding and Soldering, Plumbing, Structural Fabrication, Electrician, Rigging, Marine Surveying, and on-site Supervision can also be another career that is led with Shipbuilding.

## Welding

- Welding is a job that requires specialized training, meaning that it is an act of using tools that include high heats to fuse metal parts together. This is integral to the foundation of Shipbuilding as well as the continued maintenance and later construction.

## Plumbing

- Plumbers oversee keeping all the piping and water supply settings on the ship in place. They use a wide variety of tools and pipe material.

## Electrician

- Their responsible for the instillation, functionality, proper use of electronics, and the electric cables on the ship. Electricians are subsectors of engineers, typically require an engineering degree.

## Marine Surveying and Supervision

- Marine Surveyors are experts who can examine and inspect ships to analyze the condition of ship structure, machinery, and navigational equipment. It consists of taking responsibility for the installation of ship machinery and related equipment including propulsion machines and power supply systems.



# Entrevistas dentro de la Industria Maritima

Earl Parker

-

Gerente de Operacions  
Maritimas

Nuestro equipo ha conducido entrevistas con empleados  
de la industria maritima.

El equipo tambien han entrevistado y recabado information  
de empleados del Puerto de Seattle.

Russ Read

-

Director de Seguridad  
Maritima

Anita Simmons

-

Asistente Administrativo

Tin Nguyen

-

Director, Grupo de  
Gestion de Proyectos de  
Mantenimiento Marino

LaCretiah Taylor

-

Analizador Finaciero



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# LaCretiah Claytor



## Acerca de: LaCretiah Claytor

LaCretiah es un analizador financiero y un comunicador fenomenal. LaCretiah habló sobre su experiencia como mujer de color en su carrera. Ella es una firme defensora de la diversidad y el progreso, así como de tomar el control y hacerse valer.

## Acerca de: Financial Analyzer

Los analistas financieros brindan apoyo de análisis financiero para el programa de Planificación de Capital para las Divisiones de Desarrollo Marítimo y Económico en el Puerto de Seattle. Su trabajo es liderar empresas e individuos en la toma de las mejores decisiones con inversiones.



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# Tin Nguyen

## About: Tin Nguyen

Tin Nguyen is in Marine Maintenance and is a reputable leader. In his interview, Tin went over the many careers he had worked before entering the maritime field, from engineering to construction to aviation. One thing Tin wants people to be mindful of is that failure is a process of life and working and that by failing, you're growing.

## About: Senior Manager, Marine Maintenance Project Management Group

Some important tasks of Tin's career includes: reviewing progress reports, having conversations with employees about work concerns, and attending meetings to discuss management priorities. Some necessary skills for this career include foundational skills in construction, engineering, or project management. It also important to always be willing to be helpful and staying focused.



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# Anita Simmons



## About: Anita Simmons

Anita Simmons is an administrative assistant and an inspiring Port Ranger. In her interview, Anita talked about how important an education can be and emphasizes the importance of youth in Port-related activities. Equally important to her is going out there and doing all you can to be helpful.

## About: Administrative Assistant

Some important tasks of an administrative assistant includes: scanning important emails and actions items, prepping for the day that is filled with meetings, and planning meetings for herself and her team. Some necessary **skills** for being an administrative assistant would include interest in the position, and Anita emphasizes that experience in a professional field helps because that's where you learn skills that are not taught in books.



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