



MICHAEL ANDERSON

Marine Engineer

Innovative Port and Harbor Engineer with a focus on marine engineering and coastal protection strategies. With over 7 years of experience, I have worked on projects that aim to enhance the resilience of coastal infrastructure against climate change impacts. My background includes the design of breakwaters, seawalls, and other protective structures that safeguard port operations.

WORK EXPERIENCE

Marine Engineer

2020-2023

Coastal Defense Engineering

- Designed and implemented coastal protection structures that reduced erosion by 25%.
- Conducted hydrodynamic modeling to assess project viability and impact.
- Collaborated with environmental scientists to evaluate ecosystem impacts of proposed projects.
- Prepared technical reports and project documentation for regulatory submissions.
- Engaged with local communities to address concerns and communicate project benefits.
- Monitored construction activities to ensure compliance with engineering standards.

Project Engineer

2019-2020

Harbor Resilience Solutions

- Assisted in the design and construction of a new seawall to protect against storm surges.
- Conducted site assessments to determine optimal locations for protective structures.
- Collaborated with multidisciplinary teams to ensure project success.
- Prepared cost estimates and project schedules for planning purposes.
- Facilitated meetings with stakeholders to gather input and address feedback.
- Developed educational materials to inform the public about project goals and outcomes.

ACHIEVEMENTS

- Received the Coastal Innovation Award for excellence in project design in 2021.
- Successfully completed a \$1.5M coastal protection project under budget.
- Published a white paper on the benefits of resilient coastal infrastructure.

CONTACT

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EDUCATION

Master of Science in Marine Engineering

Florida Institute of Technology
2016-2020

SKILLS

- Coastal Engineering
- Hydrodynamic Modeling
- Stakeholder Engagement
- Project Management
- Environmental Compliance
- Structural Design

LANGUAGES

- English
- Spanish
- French