



# MICHAEL ANDERSON

## SENIOR COASTAL ENGINEER

### PROFILE

Results-driven Coastal Engineer with 10 years of experience in the design and implementation of coastal protection systems. Expertise in using advanced modeling techniques to forecast coastal changes and assess risks. Proven ability to manage large-scale projects while ensuring compliance with environmental regulations. Strong communicator with a talent for building relationships with clients and stakeholders.

### EXPERIENCE

#### SENIOR COASTAL ENGINEER

##### Coastal Dynamics Ltd.

2016 - Present

- Led the design and construction of shoreline protection structures to mitigate erosion.
- Developed advanced predictive models for storm surge and flooding risks.
- Conducted feasibility studies for coastal infrastructure projects.
- Managed project budgets exceeding \$5 million, ensuring timely delivery.
- Collaborated with environmental agencies to ensure compliance with regulations.
- Conducted public outreach initiatives to educate communities on coastal issues.

#### COASTAL ENGINEER

##### Seaside Engineering

2014 - 2016

- Designed coastal protection systems including groins and seawalls.
- Performed hydraulic and hydrological analyses to support project designs.
- Engaged in community consultations to address local concerns.
- Produced detailed technical reports for state and federal permit applications.
- Monitored and assessed project performance post-construction.
- Trained junior engineers in coastal engineering principles and practices.

### CONTACT

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### SKILLS

- Coastal Protection Design
- Risk Assessment
- Project Management
- Environmental Compliance
- Community Engagement
- Data Analysis

### LANGUAGES

- English
- Spanish
- French

### EDUCATION

M.S. IN COASTAL ENGINEERING,  
UNIVERSITY OF OCEAN SCIENCES, 2012

### ACHIEVEMENTS

- Successfully restored 50 acres of coastal wetland, enhancing biodiversity.
- Recognized for excellence in project management by the National Association of Engineers.
- Published multiple articles on coastal resilience in peer-reviewed journals.