

River Engineer

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EDUCATION

University of New Hampshire

Bachelor of Science in Ocean Engineering

Durham, NH
Expected 05/2018

Related Coursework: Ocean Waves and Tides, Ocean Instrumentation Lab, Design of Ocean Structures, Ocean Acoustics, Coastal Engineering and Processes, Ocean Measurements Lab

TECHNICAL SKILLS

Computer: MathCAD, LABVIEW, SEAWAT, ArcGIS, MATLAB
Laboratory: Numerical model assessment of storm surge flooding and the effects of dredging

RELATED EXPERIENCE

Jere A. Chase Ocean Engineering Laboratory

Student Researcher

Durham, NH
04/2016 – Present

- Research potential protective measures for sensitive marine installations and infrastructure
- Analyze the response of the floating barrier to high velocity vessel impacts
- Utilize analytical and physical models to simulate various impact events
- Optimize the system response to ensure structural integrity

The Brian E. Doyle Undergraduate Marine Extension Fellowship

Student Researcher

Durham, NH
05/2015 – 08/2015

- Collaborated with the N.H. Sea Grant staff to help organizations make informed decisions about marine resources
- Worked on a team with 3 other students and 1 faculty member
- Communicated with corporate, businesses, and research communities to obtain advice, direction, information, and the equipment and materials required to complete the projects
- Presented solution at the end of the summer to a group of 24 peers and faculty members

VOLUNTEER EXPERIENCE

The National Map Corps

Volunteer Map Editor

Concord, NH
05/2014 – 05/2015

- Collected data from 7 of the 10 counties across New Hampshire
- Applied collected data to update USGS geographic data

Twin Mountain Fish and Wildlife Center

Hatchery Trainee

Twin Mountain, NH
05/2013 – 05/2014

- Answered questions regarding fish-raising and stocking
- Explained watersheds and how humans and animals interact with them to groups of 15 children and adults
- Supported staff with hatchery operations

CAMPUS INVOLVEMENT

Engineers Without Borders

10/2015 – Present

Society of Naval Architects and Marine Engineers

09/2014 – Present

Society of Women Engineers

09/2014 – Present

ADDITIONAL EXPERIENCE

The Beach Plum

Food Prep/Server

North Hampton, NH
05/2012 – 05/2015

- Maintained a friendly and polite attitude when involved in customer relations
- Effectively communicated the details of customer's dietary needs to the cooks
- Ensured the customers felt understood if they had an issue and worked to resolve the issue