

## River Engineer

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### EDUCATION

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#### University of New Hampshire

*BS 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

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### TECHNICAL SKILLS

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Computer: MathCAD, LABVIEW, SEAWAT, ArcGIS, MATLAB

Laboratory: Numerical model assessment of storm surge flooding and the effects of dredging

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### RELATED EXPERIENCE

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#### 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

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### VOLUNTEER EXPERIENCE

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#### The National Map Corps

*Volunteer Map Editor*

Concord, NH

05/2014 – 05/2015

- Collected data from 7 of the 10 counties across New Hampshire
- Used 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
- Assist staff with hatchery operations

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### CAMPUS INVOLVEMENT

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Society of Naval Architects and Marine Engineers

09/2014 – Present

Engineers Without Borders

10/2015 – Present

Society of Women Engineers

09/2014 – Present

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### ADDITIONAL EXPERIENCE

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#### 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 did as much as possible to resolve the issue