

# Ryan Leahy

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## WORK EXPERIENCE

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### Edgewater Resources LLC

Jun. 2021 – Present

*Coastal Engineer EIT*

*Madison, WI*

- Create presentation and construction ready drawing sets of proposed designs and structural details.
- Complete federal and state level permit applications for proposed site work.
- Conduct ecological research to promote biodiversity and minimize site mitigation from proposed designs.
- Carry out field work that includes topography and bathymetry surveying and examining existing coastal structures at a project site.
- Gather, clean, and statistically analyze existing wind and wave data from the online databases hosted by university research groups and the National Oceanic and Atmospheric Administration (NOAA).
- Design and test coastal structures under extreme conditions by building physical and computer wave models and wave theory/structural calculation spreadsheets.
- Conduct market research and cost estimates for proposed marina designs for clients.

### Andrews Engineering Inc.

Jun. 2020 – Aug. 2020

*Civil/Environmental Engineer Intern*

*Springfield, IL*

- Assisted in Phase I and II site surveys for Winnebago county landfills and Illinois Department of Transportation sites.
- Completed construction quality assurance oversight of Winnebago County Landfill East cell expansion, including composite liner installation and caisson pipe raising.

### John Deere

Aug. 2019 – Apr. 2020

*Data Analyst Intern*

*West Lafayette, IN*

- Managed and worked with a team of Purdue University students to create a computer program to gather and analyze NOAA climate data trends to predict corn yield in the Northern Midwest region of the U.S.
- Coordinated presentation meetings and deliverable deadlines with team members and John Deere personnel.

## EDUCATION

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### Purdue University

Aug. 2017 – May 2021

*BS Environmental and Ecological Engineering, Psychology Minor*

*West Lafayette, IN*

- 3.8/4.0 GPA
- Study Abroad in Sweden – Sustainability Across Sectors Program (May 2019)
- Wiley Radio showrunner and D.J. (2017 – 2021)
- **Relevant Courses:** Environmental Hydrology, Hydraulics and Wet Lab, Urban Hydraulics, Water Treatment, Environmental and Ecological Systems Modeling, Environmental and Ecological Analysis Laboratory, Coastal Engineering

### Old Dominion University

Jan. 2022 – Apr. 2022

*Norfolk, VA*

- Graduate Course: Introduction to Coastal Processes and Linear Wave Theory

## SKILLS & CERTIFICATIONS

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- **Programs:** AutoCAD/Civil3D, MIKE 21 SW and BW, Microsoft Office, R Studio
- **Certifications:** Environmental EIT (State of Illinois)