

## CONTACT

ejagodin@gmail.com

(704)608-2871

Github: E-B-Jagodinski

LinkedIn: eric-jagodinski

## CERTIFICATIONS

### Google Data Analytics Specialization

2022

A professional certificate through Coursera to prepare, process, analyze, and present data for data-driven decision. (SQL, Tableau, R)

### M.S. Ocean Engineering

2018

Masters En Passant earned while completing courses towards my PhD.

### Offshore Engineering Graduate Certificate

2018

A graduate level certificate specialization. Courses: Advanced Hydrodynamics, Offshore Structures, Hydrodynamics of Ship Design

## SKILLS

Python	4+ yrs
Linux	4+ yrs
Machine Learning	3+ yrs
Git	3+ yrs
Fortran	2+ yrs
Teaching	5+ yrs

# ERIC JAGODINSKI

Researcher - Data Scientist - Systems Engineer

## EDUCATION

### Ph. D. - Ocean Engineering

2017 - Dec. 2022\*

FAU - SeaTech Research Center, Dania Beach, FL

Dissertation: Deep Reinforcement Learning with Image Recognition for Autonomous Control in Fluid Dynamics Simulation

### B.S. - Ocean Systems Engineering

2010 - 2016

Florida Atlantic University- Boca Raton, FL

Capstone Project: Autonomous surface vehicle capable of GPS navigation and station keeping in dynamic conditions (Electrical Team Lead).

## PUBLICATIONS

### Data-driven identification of dynamically important regions in turbulent flows using 3D Convolutional Neural Networks

In Review

Status: Submitted (April 2022)

## WORK EXPERIENCE

### Graduate Intern

Summer 2018

Naval Research Laboratory, Stennis Space Center, MS

Used OpenFOAM CFD software for simulating rogue wave and wind interaction. Learned to use Linux, High-Performance Computing (U.S. Army's Excalibur) and Numerical Modeling.

### Engineering Technician

05/2014 -04/2015

Agilis Measurement Systems, Palm Beach Gardens, FL

Assembled computer monitoring and signal conditioning systems used on NextEra turbines. Learned data analysis through real-time monitoring of turbine data.

## CONFERENCES

- Poster: **Turbulent flow Identification using 3D Convolutional Neural Networks**. FAU Data-Driven Science and AI Conference (2022).
- Presentation: **Data-Driven blowing-suction control in a turbulent channel flow**. APS Division of Fluid Dynamics (2021)
- Presentation **Convolutional Neural Networks for Identifying Coherent Turbulent Structures**. APS Division of Fluid Dynamics (2019)

## EXTRACURRICULAR

- I **taught** a full course at FAU (Fluid Dynamics, 2021).
- I have **volunteered** the past two years at an Engineering Camp (2021-2022).
- I was **interviewed** on local news about FAU Ocean Engineering (2018).
- I have my Advanced and Mixed Gas **scuba diving certifications**.