

CONTACT

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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/Bash	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 GE turbines for NextEra. 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) and TA'd many more.
- 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**.