

HUNG QUACH NGUYEN

hung.nguyen@uconn.edu | <https://quachhungvietnam.github.io>

EDUCATION

University of Connecticut

8/2021 – Present

PhD candidate in Computational Oceanography

- Relevant courses: Research Computing in Marine Sciences

Minerva University, California

8/2017 – 5/2021

Bachelor of Science in Data Science and Statistics, and Earth's Systems

- Expose to real-world problems by participating in civic projects in 5 countries
- Relevant courses: Calculus, Linear Algebra, Data Structures and Algorithms, Optimization, Machine Learning for Science, Bayesian Statistics, Modeling and Simulation, GIS Tutorial

Le Hong Phong High School for the Gifted, Ho Chi Minh City

8/2013 – 5/2016

EXPERIENCE

University of Connecticut

8/2021 – Present

Data Science Assistant

- Constructed the data pipeline and manipulated data from World Ocean Database
- Made animations, maps and time-series analyses for oxygen requested from World Ocean Database
- Ensembled oxygen observation with model's fields to interpolate oxygen data

Harbor Branch Oceanographic Institute, Florida

5/2019 – 5/2021

Data Science Intern

- Constructed the data pipeline and manipulated data from Sentinel-3 and DBHydro
- Built the model to predict the harmful algal bloom from the nutrient inputs and satellite image

Motivf Corporation, Virginia

2/2021 – 5/2021

Data Science Intern

- Designed a marketing campaign via Hubspot to reach out to Motivf's potential partners
- Evaluate Motivf's potential partners via their behaviors and responses toward a marketing campaign

Indian Wesleyan University, Indiana

1/2020 – 4/2020

Data Analytics Intern

- Requested and manipulated datasets of job postings and skills from the EMSI API system
- Visualized the job postings inference on Power BI

Minerva University, California

9/2020 – 5/2021

Teaching Assistant for Earth Monitoring and Modeling

- Facilitated a workshop about satellite data request and process
- Assessed student's answers and assignments about Earth's monitoring and modeling

VietAbroad, Ho Chi Minh City

5/2016 – 8/2016

Web Builder

- Modified templates and built content for VietAbroad website on Wordpress

SKILLS

- Advanced Python: numpy, scipy, scikit learn, keras, tensor flow, pytorch, pystan, command (linux)
- GIS tools: QGIS, cartopy
- Basic Web design tools: Github, Power BI, Wordpress, HTML, CSS