
Gregory Hubbard

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Experience

ODU Vision Lab (ODURF) / Undergraduate Research Assistant

January 2020 - PRESENT; Norfolk, Virginia

The Vision Lab aims to develop novel theory, state-of-art algorithms, architectures, and real-time implementations in biomedical, human and machine-centric recognition, and environment & geoscience applications based on the disciplines of computer vision, signal/image processing and machine learning.

NASA Kennedy Space Center / Mission Control Software Engineering Intern

August 2019 - December 2019; Cape Canaveral, Florida

Developed functional tests for Class A, human-rated, safety critical telemetry and command processors in a launch control system, participating in the full software development lifecycle with full-time engineers and following agile development processes

UM Computational Neuroscience/ Undergraduate Research Fellow (REU)

May 2019 - August 2019; Miami, Florida

Research surrounding the use of Convolutional Neural Networks for image processing. Part of a multi-disciplinary team utilizing deep neural networks to better understand the visual system. Final report presentation concerning alterations of images on large datasets (NORB, BSDS300, etc.) on AlexNet architecture.

NASA Langley Research Center / Science Instrument Ground Software Support Intern

June 2018 - August 2018; Hampton, Virginia

Assisted ground software support to improve integration, testing, and data analysis. Assisted LaRC software engineers to expand current capabilities and add additional features.

Education

Old Dominion University / Computer Science; Math, Chemistry (minor)

August 2017 - Present, Norfolk, VA

4.0 Major GPA, 3.85 Total GPA

Highlighted Classes

CS: Data Structures, Operating Systems, Object Oriented Programming, Discrete Structures

Math: Calculus III, Calculus IV (Intro Analysis), Ordinary Differential Equations

Chemistry: Organic Chemistry I, Organic Chemistry II, Biochemistry

Research

Review of Vulnerability Management for Local Hampton Roads Industry

Hubbard, Gregory W. Jr. and Eunice, Matthew (2020) "Topical Review of Vulnerability Management for Local Hampton Roads Industry," *OUR Journal: ODU Undergraduate Research Journal*: Vol. 7 , Article 4.

DOI: 10.25778/41cp-yf83

Topical Report Of Air Quality In Hampton Roads
Virginia Space Grant Consortium (VSGC) Fellowship
-awaiting publication to ODU undergraduate Journal (est. Spring 2021)

Realistic Data Generation And Publication For Launch Control Systems
G. Hubbard; Spaceport Command and Control Software Intern, Kennedy Space Center

Normalization On Visual Data For Categorization
G. Hubbard, O. Schwartz, L. Sanchez Giraldo; REU 2019; Computer Science, University of Miami