Chris Nalty

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Education

Oregon State University	September 2022 - Present
Ph.D. Artificial Intelligence	
University of Maryland	Spring 2018 - August 2021
Bachelor's in Computer Science with honors, with Mathematics minor	GPA 3.87
Salisbury University	Spring 2017 - Fall 2017
Bachelor's in Physics - Transferred before completion	GPA: 4.0
University of Maryland Eastern Shore	Fall 2015 - Fall 2016
Bachelor's in Professional Golf Management - Transferred before completion	GPA: 4.0

Employment

Mukh Technologies - Machine Learning Engineer　　　　September 2021 - July 2022
- Research on thermal to visual face verification using Generative Adversarial Networks
- Facial recognition API maintenance and development in C++
- Creation of an automated test suite for facial recognition pipeline

Mukh Technologies - Software Engineering Intern　　　　May 2019 - August 2021
- Data and algorithm visualization for facial recognition software
- Containerization of neural network pipeline in Docker
- PyTorch training and dataset scripts

Orbit Logic - Systems Engineering Intern　　　　Nov 2018 - May 2019
- Regression testing
- Automation of test setup and running including database restoration using python

Publications

Data, Algorithms, and Best Practices for Thermal Spectrum Face Verification　　　　TBIOM 2023
T Bourlai, J Rose, S Mokalla, A Zabin, L Hornak, **CB Nalty**, N Peri, J Gleason,
CD Castillo, VM Patel, R Chellappa

A Brief Survey of Person Recognition at a Distance　　　　ASILOMAR 2022
CB Nalty*, N Peri*, J Gleason, CD Castillo, S Hu, T Bourlai, R Chellappa

Teaching

Teaching Assistant - CS381 Programming Languages　　　　Fall 2023

Independent Papers

A Comparison of Policy Gradient Methods for Multi-Task Learning   Undergraduate Honors Thesis
CB Nalty

Multi-Task DDQN on Atari   Spring 2020
CB Nalty, J. Granados, M. Stephanus, M. Freeman