DOMINICK REILLY

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EDUCATION

University of North Carolina at Charlotte *January 2019 - Present*
Bachelors of Science, Computer Science Overall GPA: 4.0
Minor in Statistics

Coastal Carolina Community College *June 2016 - December 2018*
Associates of Science

TECHNICAL STRENGTHS

Language Experience	Python, R, Java
Software Experience	Linux, Jupyter, Tableau
Library Experience	Pytorch, SciPy, TensorFlow 2

WORK EXPERIENCE

College of Computing and Informatics, Charlotte NC September 2020 - Present
Research Assistant, Part-time

· Worked in the Video and Image Analysis Lab with a team of graduate students on the tracking branch of an end-to-end multiple object tracking application
· Implemented a dual-threshold object tracking technique to construct high confidence trajectory fragments using localizations from the detection module
· Reviewed literature on Siamese networks and their applications to object tracking. Performed experiments using many state of the art Siamese based trackers

College of Computing and Informatics, Charlotte NC May 2020 - August 2020
Research Assistant, Full-time

· Worked in the Video and Image Analysis Lab with a team of graduate students on the detection branch of an end-to-end multiple object tracking application
· Tested and implemented a state of the art instance segmentation model to localize objects of interest in complex biological motion videos
· Assisted in integrating my model into the tracking application to replace the previous detection module

College of Computing and Informatics, Charlotte NC March 2019 - April 2020
Research Assistant, Part-time

· Developed, tested, and maintained a codebase to keep track of awarded and submitted research grants within the college
· Worked closely with senior College of Computing an Informatics faculty to generate useful statistics for measuring research performance
· Generated visualizations of research data using Tableau to assist senior faculty in visualizing the college's research performance

INTERESTS

Computer Vision   Object Tracking   Differential Privacy

ACADEMIC ACHIEVEMENTS

Chancellor's List   Spring 2019, Fall 2019, Spring 2020, Fall 2020