

Adam Casson

CONTACT INFORMATION

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RESEARCH INTERESTS

Computer vision, machine learning, video understanding, joint visual and language understanding

EDUCATION

B.S. Imaging Science, *Rochester Institute of Technology*

August 2013 - May 2017

Focus: Computer Vision/Deep Learning

Immersion: Computational Linguistics

RESEARCH EXPERIENCE

kLab, *Rochester Institute of Technology*

June 2016 - May 2017

Undergraduate Research Assistant

Advisor: Dr. Christopher Kanan

Worked on the Visual Question Answering (VQA) team. Used NLP algorithms to create a video question answering dataset. Developed a novel video and language feature embedding network for a full video question answering model.

SELECTED PROJECT

Video Question Answering Using Deep Neural Networks

June 2016 - Present

- Created large-scale video question answering dataset
- Fusing computer vision and natural language in order to create an model that can answer questions about videos

RELEVANT COURSES

Artificial Intelligence

Deep Learning for Vision*

Foundations of Computer Vision*

Image Processing and Computer Vision I & II

Natural Language Processing

Computing and Control

* *Graduate level course*

Mathematics

Multivariable and Vector Calculus

Linear and Fourier Methods for Imaging

Project Based Calculus I & II

Probability and Statistics

Noise and System Modeling

SKILLS

Computer Languages

Python, MATLAB, C++

Libraries & Tools

Keras, Tensorflow, Caffe, OpenCV, NLTK, spaCy, L^AT_EX

Operating Systems

Linux (Ubuntu), macOS, Microsoft Windows

HONORS & AWARDS

RIT CIS Senior Research Symposium, Faculty's Choice Best Poster, 2017

Chester F. Carlson Scholarship, 2014 - 2017

RIT Achievement Scholarship, 2013 - 2017