## Daniel Sawyer


CONTACT INFORMATION

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https://DanielSawyer.com/


EDUCATION

**Hillsborough Community College, Tampa, FL**

CSE Prerequisites, Fall 2013 - Spring 2015

- GPA: 3.73

**University of South Florida, Tampa, FL**

B.S. Computer Science, Summer 2015 - Spring 2018

- USF GPA: 3.91, Overall GPA: 3.82

**University of South Florida, Tampa, FL**

Ph.D. Computer Science, Fall 2018 - Summer 2023

- GPA: 4.0

COURSES: GRADUATE

**University of South Florida**

Computer Vision — Spring 2019
- Grade Received: A

Image Processing — Fall 2019
- Grade Received: A

Hack 4 Defense — Spring 2020
- Grade Received: A

Machine Learning — Spring 2020
- Grade Received: A

Data Mining — Fall 2020
- Grade Received: In Progress

Social Media Mining — Fall 2020
- Grade Received: In Progress

COURSES: UNDERGRADUATE

**University of South Florida**

Image Processing Fundamentals — Spring 2017
- Grade Received: A

Automata Thry/Formal Languages — Spring 2017
- Grade Received: A

Prog on Massively Parallel Systems (CUDA) — Summer 2017
- Grade Received: A

Advanced Python — Fall 2017

- Grade Received: A+

Compilers — Fall 2017
- Grade Received: A-

## Research Projects

**Autobiographical Memory**
Total Recall — April 2016 - January 2017
- Created Android Application to log user's information into InfluxDB

**Event and Action Recognition w/ Semantic Representation**
Event and Action Recognition — Summer 2017 - Present
- Assisting with creating training data and feature vectors from data sets

**Nao Robot Dept. Office Assistant**
Robotic Office Assistant — Summer 2017 - Present
- Ported Google Assistant SDK to run on Nao Robot and programming it to answer department related questions with life like movements and speaking

**Gait Recognition Using Inertial Data**
Implementation On Android — Fall 2017 - Present
- Ported and Implemented code from MatLab to native C++ code and built Android UI using Android Studio

**TrecVID ActEV: Activities in Extended Video Challenge 2019**
Competed in the TrecVID ActEV — Summer 2019 - Fall 2019
- TrecVID workshop hosted at the WACV Conference.

**M3X NSF Grant Project**
Human-in-the-loop Learning & Robotics — Summer 2019 - Present
- Worked on the computer vision and demonstration learning systems.

## Programming Languages

Proficient: C, C++, C#, Bash, Python, Java/Android, OpenCV, CUDA
Familiar: JavaScript, HTML, PHP, Swift, Caffe, Tensorflow

## References

**Prof. Sarkar**, Dept. Chair, University of South Florida, (813)974-2113, `sarkar@usf.edu`

**Prof. Goldgof**, Dept. Vice Chair, University of South Florida, (813)974-4055, `goldgof@usf.edu`

**Prof. Kasturi**, Douglas W. Hood Professor, University of South Florida, (813)974-3561, `Rangachar Kasturi`

**Prof. Sun**, Associate Professor, University of South Florida, (813)974-7508, `yusun@mail.usf.edu`

**Prof. Malmberg**, Associate Professor, University of South Florida, (813)974-1054, `malmberg@usf.edu`