




Can (Jon) Temel



Researcher
Engineer

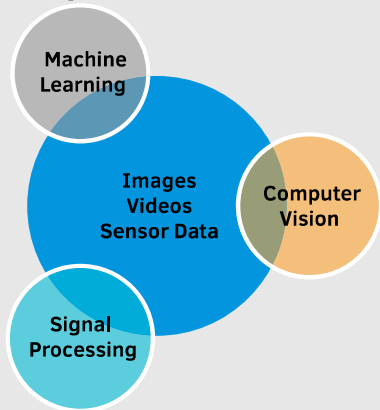
 (404) 966 9693

 cantemel.com

 dcantemel@gmail.com

 /in/cantemel

Expertise



Academic Career

*since entering PhD program in 2011

Years involved: 8

Publications: 32

H-Index: 8

Patents: 9(P), 1(NP)

Clinical study: 1 [500+ patients]

Mentored students: 13

Thesis Committee: 1

Fellowship: 1

Funding proposals: 8 [Ac]/ 25[Sub]

Funding received: \$1M+

Seed funding: 1

Awards: 4

Travel grants: 2

Coding: C, C++, Python

ML Library: Caffe, PyTorch

Other software: MATLAB, LaTeX, Unreal Engine, Adobe After Effect

I. Academic Background, Accomplishments, and Honors

Education

2016 **PhD., Electrical and Computer Engineering**, GPA: 4.0
Georgia Institute of Technology, Minor: Computer Science

2013 **MS., Electrical and Computer Engineering**, GPA: 4.0
Georgia Institute of Technology, Minor: Management

Experience

2019 - Present **Co-founder** Stealth Mode Startup

- Accessible and personalized eyecare through artificial intelligence.

Jan 2017 - Present **Postdoctoral Research Fellow** OLIVES Lab, Georgia Institute of Technology

- **Research:** machine learning for ophthalmology and autonomous vehicles, robustness under adverse and challenging conditions.
- **Organization:** Visual recognition and detection competition as part of a major IEEE conference (145+ teams, 30+ countries).
- **Collaboration:** Emory Univ. Sch. of Med., Grady Mem. Hosp., Oak Ridge Nat. Lab., Ford, Kolon Ind., Microsoft, Georgia Res. Alliance.
- **Prototyping:** A portable eye examination device.
- **Clinical study:** IRB-approved study at Grady Memorial Hospital.
- **Datasets:** Three large-scale (>1M) image/video datasets for machine perception and a clinical video dataset with 500+ patients.
- **Funding:** Contributed to proposals that received \$1M+.
- **Mentoring:** Group work led to 9 prov. (P) patents, 1 non-prov. (NP) patent, 1 magazine paper, 6 conference and 3 journal articles.

May 2014 - Aug 2014 **Systems Engineering Intern** Machine Learning Lab, Texas Instruments

- **Development:** State-of-the-art deep networks in Matlab and C++ for digit classification (MNIST), object classification (CIFAR10, CIFAR100), and scene labelling (Stanford database). [Online]
- **High Performance Computing:** Deployed deep learning-based Matlab routines to a load sharing facility in C++, which *accelerated* scene labeling by *16 times* and the classification by *40 times*.

Aug 2011 - Dec 2016 **Research Assistant** OLIVES Lab, Georgia Institute of Technology

- **Research:** Image quality assessment (13 papers), ML-based im. process. and comp. vis. (tutorials), color process. (demos), vital sign monitor. (1 paper), computat. aesthetics (1 paper), seismic interpret. (1 paper), 3D reconstr. and stream. (6 papers). [Online]
- **Demos:** Project demos on PCs, NVidia kits, and smartphones.
- **Collaboration:** Texas Inst., European QoE Network Qualinet.

Accomplishments and Honors

- Best Paper Award at IEEE Int. Conf. on Image Processing, 2019.
- Best PhD Thesis Award from Sigma Xi: The Scien. Res. Honor Soc., 2017.
- Research Excellence Award from Georgia Tech, School of ECE, 2017.
- Outstanding Research Award from Georgia Tech, Cent. Sig. Inf. Proc., 2017.
- Among the most downloaded articles in the Elsevier's SP:IC journal, 2016.
- Travel Grant from IEEE Signal Processing Society, 2016.
- Highest GPA possible in MS (2013) and PhD (2016) at Georgia Tech.
- Texas Instruments Leader. Univer. Fellowship for 4 cons. years, 2012-2015
- Summer School Grant from QUALINET, France, only recipient from US, 2014.
- First Rank, Texas Instruments Elevator Pitch Competition, 2012.