

IRAKLIS TSEKOURAKIS

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ PhD in Computer Science	<i>August 2016</i>
Stevens Institute of Technology, Hoboken, NJ Certificate, Teaching at the College Level	<i>May 2016</i>
Stevens Institute of Technology, Hoboken, NJ MSc in Computer Science	<i>May 2014</i>
Aristotle University of Thessaloniki, Greece Diploma in Electrical and Computer Engineering	<i>March 2010</i>

RESEARCH INTERESTS

Computer Vision
Dynamic 3D reconstruction

PROFESSIONAL EXPERIENCE

Northeastern University <i>Associate Teaching Professor</i> · Khoury College of Computer Sciences	August 2023 - Present <i>Boston, MA</i>
Brandeis University <i>Associate Teaching Professor</i> · Liaison to Industry for Job Placement & Internship Opportunities · CPT program coordinator · Director of Graduate Studies (November 2021 - June 2023)	July 2020 - June 2023 <i>Waltham, MA</i>
Stevens Institute of Technology <i>Assistant Teaching Professor</i> · Director of Co-op and CPT Programs (January 2017 - August 2017 & August 2019 - June 2020) · Associate Chair for Graduates Studies in Computer Science (August 2017 - June 2020)	August 2016 - June 2020 <i>Hoboken, NJ</i>
Stevens Institute of Technology <i>Computer Vision Research Assistant</i> · Funded by NSF Award - Uncertainty-driven Dynamic 3D reconstruction	September 2012 - July 2016 <i>Hoboken, NJ</i>
Information Technologies Institute, CERTH, Hellas <i>Research Assistant</i>	July 2011 - June 2012 <i>Thessaloniki, Greece</i>

- EU FP7 Collaborative Project SAVE ME: System and Actions for VEhicles and transportation hubs to support disaster Mitigation and Evacuation

TEACHING EXPERIENCE

Northeastern University

CS 5800: Algorithms

Fall 2023

Brandeis University

COSI 10a: Introduction to Problem Solving in Python *Fall 2020 & 2021, Spring 2022, Summer 2022*

COSI 12b: Advance Programming Techniques in Java *Spring 2021 & 2023, Fall 2021 & 2022*

COSI 21a: Data Structures and the Fundamentals of Computing *Fall 2022, Spring 2023*

COSI 131a: Operating Systems *Summer & Fall 2020, Spring 2021 & 2022*

Stevens Institute of Technology

CS 570: Data Structures

Spring 2019 & 2020, Fall 2019

CS 590: Algorithms

Fall 2018 & 2019, Spring 2019 & 2020

CS Pre-College Intensive Course: Introduction to Machine Learning

Summer 2017

CS 492: Operating Systems

Spring 2017 & 2018

CS 146: Introduction to Web Programming & Project Development *Fall 2016, 2017 & 2018*

CS Pre-College Intensive Course: Image Processing

Summer 2016 & 2017

PUBLICATIONS

- Iraklis Tsekourakis, Philippos Mordohai
[Measuring the Effects of Temporal Coherence in Depth Estimation for Dynamic Scenes](#)
The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2019
- Iraklis Tsekourakis, Philippos Mordohai
[A Comparison of Scene Flow Estimation Paradigms](#)
Representation, analysis and recognition of shape and motion from Image data, 2017
- Iraklis Tsekourakis, Philippos Mordohai
[Consistent 3D Background Model Estimation from Multi-Viewpoint Videos](#)
International Conference on 3D Vision, 2015
- Iraklis Tsekourakis, Christos Orlis, Dimosthenis Ioannidis, Dimitrios Tzovaras
[The SAVE ME project real-time disaster mitigation and evacuation management system](#)

7th IET International Conference on System Safety, incorporating the Cyber Security Conference 2012

- Iraklis Tsekourakis, Christos Orlis, Dimosthenis Ioannidis, Dimitrios Tzovaras
[A Decision Support System for Real-Time Evacuation Management and Rescue Team Planning during Hazardous Events in Public Infrastructures](#)
13th International Conference on Transport Systems Telematics, TST 2012
- Iraklis Tsekourakis, Andreas L. Symeonidis
[Dealing with Trust and Reputation in Unreliable Multi-agent Trading Environments](#)
The 2011 Workshop on Trading Agent Design and Analysis, TADA 2011, held with the 22nd International Joint Conference On Artificial Intelligence, IJCAI 2011

TECHNICAL SKILLS

Programming Languages	C, C++, Java, MATLAB, JavaScript, Python
Web	HTML5, CSS3
Frameworks & APIs	OpenCV, CUDA, OpenCL
Development Environments	Sublime Text, Eclipse, Xcode
Operating Systems	Linux, MacOS, Windows
Other Tools	Git, La TeX

LANGUAGES

English (fluent), Greek (native)

AWARDS

- Faculty Service Award. Stevens Institute of Technology, 2018.
- Gerondelis Graduate Scholarship. Gerondelis Foundation, Inc. 2014.
- “A Modern Greece” Contest Award (1 of 5). Greek Economic Forum, 2015.