MARINA VICENS MIQUEL

Texas A&M University–Corpus Christi (TAMUCC)
Department of Computing Sciences
mvicensmiquel@islander.tamucc.edu

EDUCATION

Ph.D.	Texas A&M University–Corpus Christi, expected 2025 Geospatial Computer Science Ph.D. Program	Current GPA: **3.9**
B.S.	Texas A&M University–Corpus Christi, May 2020 Double Major: Computer Science, Mathematics *Magna Cum Laude*	

RESEARCH EXPERIENCE

2020 – Current	NSF AI Institute: Artificial Intelligence for Environmental Sciences (AI2ES) Graduate Research Assistant, Conrad Blucher Institute at TAMUCC *Research in Wet/Dry Shoreline GeoDetection using Deep Learning, and Water Level and Inundation Prediction using Deep Learning*
2020	Research Intern at Lone Star UAS Center (LSUASC) *Research in UAV Damage Assessment using Deep Learning*
2019	COSC Capstone Research Project *Constructed a Deep Learning Neural Network for Detecting Logo Images with Over 99% Accuracy*

PUBLICATIONS

2018	Rahnemoonfar, M., R. Murphy, M. Vicens Miquel, D. Dobbs, A. Adams. "Flooded Area Detection from UAV Images Based on Densely Connected Recurrent Neural Networks." International Geoscience and Remote Sensing Symposium (IGARSS), Valencia, Spain. July 2018.

CONFERENCE PRESENTATIONS AND INVITED TALKS

2022	Vicens Miquel, Marina; Medrano, Antonio; Tissot, Philippe; Kamangir, Hamid; Starek, Michael, "Georeferenced AI Wet/Dry Shoreline Detection using UAV Imagery", To be presented at ESRI Imagery and Remote Sensing Summit.
2022	Vicens Miquel, Marina; Medrano, Antonio; Tissot, Philippe; Kamangir, Hamid; Starek, Michael, "Automated Wet/Dry Shoreline Delineation Using Deep Learning", GeoAI and CyberGIS for Advancing Spatial Decision Making, Presented at AAG.
2022	Vicens Miquel, Marina; Medrano, Antonio; Tissot, Philippe; Kamangir, Hamid; Starek, Michael, "Deep Learning Wet/Dry Shoreline Detection Using UAV Imagery" Joint J12A – Machine Learning Applications in the Coastal Environment, Presented at AMS Conference.

2021	Vicens Miquel, Marina; Medrano, Antonio; Tissot, Philippe; Kamangir, Hamid; Starek, Michael, "Wet/Dry Shoreline Detection Using Deep Learning" *Session B – Coastal Hazards Mapping & Analysis Tools II*, Presented at ASBPA Conference.
2018	Rahnemoonfar, Maryam; Robin, Murphy; Vicens Miquel, Marina; Dobbs, Dugan; Adams, Ashton, "Flooded Area Detection From UAV Images Based on Densely Connected Recurrent Neural Networks, Presented at IGARSS Conference.

HONORS AND AWARDS

2021 – 2022	TAMUCC International Presidential Graduate Research Scholarship ($4,000)
2021 – 2022	TAMUCC College of S&E Graduate Research Scholarship ($2,000)
2021 – 2022	TAMUCC Geospatial Engineering Graduate Research Scholarship ($600)
2020 – 2021	TAMUCC International Presidential Graduate Research Scholarship ($3,141)
2020 – 2021	TAMUCC College of S&E Graduate Research Scholarship ($1,000)
2020 – 2021	TAMUCC Division of Research and Innovation Student Research Competition Award ($800)
2020 – 2021	TAMUCC Geospatial Engineering Graduate Research Scholarship ($1,000)
2019 – 2020	Athletic Department 5th Year Scholarship ($10,312.49)
2019 – 2020	Ruth A. Campbell School Endowed Scholarship ($500)
2019 – 2020	Evening Post Pub Co.–KRIS TV Scholarship ($500)
2019 – 2020	Exxon USA Found Scholarship ($500)
2018 – 2019	M Collins UG Scholarship ($8,400)
2015 – 2020	6-time Dean's List Recipient
2015 – 2020	8-time Athletic Department Academic Roll Recognition
2015 – 2018	3-time Scholar Student-Athlete