

# 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
- 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

- 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.

## HONORS AND AWARDS

- 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 Geo-Spatial Engineering Graduate Research Scholarship (\$800)

2020 – 2021	TAMUCC Spring 2021 Credit (DT) (\$200)
2019 – 2020	Athletic Department 5 <sup>th</sup> 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 – 2019	Full Athletic Scholarship - Women's Tennis Team (\$153,827.23)
2018	Captain of the Women's Tennis Team
2015 – 2018	Member of the Women's Tennis Team at TAMUCC – Division 1 NCAA – including 2016, 2017 & 2018 Southland Conference Regular Season Team Championship and 2018 First Team All-Conference in Singles
2015 – 2018	3-time Scholar Student-Athlete