

# TIFFANY D. DO

Orlando, Florida

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## EDUCATION

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### University of Central Florida

Jan 2020 - Present

Ph.D Computer Science Student

Concentration: Virtual and Augmented Reality

GPA: 4.0/4.0

### University of Texas, Dallas

M.S. Computer Science, 2019

Concentration: Data Science

GPA: 3.94/4.0

### University of Texas, Dallas

B.S. Computer Science, 2018

Summa Cum Laude

GPA: 4.0/4.0

## RESEARCH EXPERIENCE

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### eXtended Reality & Training (XRT) Lab

Jan 2020 - Present

*Graduate Research Assistant*

*Orlando, FL*

- Assisted in research focusing on education and training in extended reality (XR), including virtual reality (VR) and augmented reality (AR) at the University of Central Florida.
- Designed and ran human subject studies. Wrote IRB submissions and analyzed results from studies.

### NSF REU, University of Texas at Dallas

May 2018 - Aug 2018

*Undergraduate Research Assistant*

*Richardson, TX*

- Conducted research on safety of applications and developed a secure web application for refugee distribution services in the Dallas area (PHP/HTML/AWS RDS).
- Worked with Northwest Community Center to perform statistical analysis to better aid refugees in the future. Deployed product in August 2018.

### NSF TANMS-ERC, University of Texas at Dallas

Jan 2017 - Aug 2017

*Undergraduate Research Assistant*

*Richardson, TX*

- Designed and prototyped novel methods to miniaturize micro-antennas in nanoscale multiferoic systems at the Translational Applications of Nanoscale Multiferoic Systems Engineering Research Center.
- Helped test and optimize substrate material for antennas.

## PROFESSIONAL EXPERIENCE

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### Axxess Technology Solutions

May 2019 - Aug 2019

*Backend Engineering Intern*

*Dallas, TX*

- C#.NET Developer for home healthcare software. Helped write applications for nurses and agencies.
- Developed an API for external clients and automated order systems.
- Designed MySQL database tables for new features, focusing on optimization and normalization.
- Assisted in front end development using NodeJS and Express.
- Maintained legacy code.

- Developed a cross platform mobile application for drone racing as a social network.
- Lead UI/UX designer. Designed all UX in Adobe Experience Design for the application.
- Assisted in MySQL database design and management as well as front-end development in Ionic framework.

## PUBLICATIONS

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1. **Tiffany D. Do**, Dylan S. Yu, Alyssa Katz, and Ryan P. McMahan. (2020). Virtual Reality Training for Proper Recycling Behaviors. *To appear in Proceedings of 2020 International Conference on Artificial Reality and Telexistence & Eurographics Symposium on Virtual Environments (ICAT-EGVE)*, Orlando, United States, 2020, pp. 1-2
2. **Tiffany D. Do**, Joseph J. LaViola Jr., and Ryan P. McMahan. (2020). The Effects of Object Shape, Fidelity, Color, and Luminance on Depth Perception in Handheld Mobile Augmented Reality. *To appear in Proceedings of 2020 IEEE International Symposium on Mixed and Augmented Reality (ISMAR)*, Porto de Galinhas, Brazil, 2020, pp. 1-9
3. **Tiffany D. Do**, Dylan S. Yu, Salman Anwer, and Seong Ioi Wang. (2020). Using Collaborative Filtering to Recommend Champions in League of Legends. *To appear in Proceedings of 2020 IEEE Conference on Games (CoG)*, Osaka, Japan, 2020, pp. 1-4

## TEACHING EXPERIENCE

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**COP 3502 Computer Science 1 in C**

Spring 2020, Fall 2020

*University of Central Florida*

- Teaching assistant and lab instructor for CS1 (Fall 2020)
- Taught 2-3 lab sections of C programming per semester

## HONORS AND AWARDS

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**IEEE CIS Student Travel Grant**

2020

*IEEE Computer Information Society*

Awarded a grant to present at IEEE CoG 2020. Declined grant due to other sources of funding.

**CRA-WP**

2020

*Computing Research Association - Widening Participation*

Awarded a scholarship to attend a CRA-WP Workshop in Austin, Texas.

**Academic Excellence Scholarship Honors**

Aug 2016 - Dec 2019

*University of Texas, Dallas*

Awarded a full scholarship and stipend at the highest academic level. Fully funded both a Bachelor's and Master's degree at The University of Texas at Dallas.

**Grace Hopper Scholarship**

2018

*University of Texas, Dallas*

Awarded a scholarship to attend the Grace Hopper Celebration.