

# Dominick Reilly

Department of Computer Science  
University of North Carolina at Charlotte  
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## Education

**University of North Carolina at Charlotte**  
Doctor of Philosophy, Computer Science  
Advisor: Dr. Min C. Shin

*August 2021 - Present*

**University of North Carolina at Charlotte**  
Bachelor of Science, Computer Science  
Honors: *Summa Cum Laude* (GPA: 4.0)

*January 2019 - May 2021*

## Skills

**Language Experience**  
**Software Experience**  
**Library Experience**

Python, Java, C++  
Flask, Tableau  
PyTorch, NumPy, Pandas, Scikit

## Work Experience

**University of North Carolina at Charlotte, Charlotte NC**  
Research Assistant - Data Privacy Lab

*August 2020 - July 2021*

- Differential privacy, provably private image obfuscation

**University of North Carolina at Charlotte, Charlotte NC**  
Research Assistant - Video and Image Analysis Lab

*August 2019 - July 2021*

- Computer vision, object detection, object tracking, speech processing

## Awards, Notable Achievements

1. Received best poster award in the Mathematics and Computer Science Discipline at UNC Charlotte's undergraduate research conference for my poster, "Evaluating Provably Private Obfuscations for Eye and Face Images" (2020)
2. Chancellor's List (2019-2021)

## Publications

1. **Dominick Reilly**, Liyue Fan, "Comparative Evaluation for Differentially Private Image Obfuscation," IEEE TPS (*accepted* 2021)

## Presentations

1. **Dominick Reilly**, "SocialBit: A Non-invasive and Robust Solution for Measuring Social Interaction," EXPLORE Event, UNC Charlotte (2021)
2. **Dominick Reilly**, "SocialBit: A Non-invasive and Robust Solution for Measuring Social Interaction," Graduate Research Seminar, UNC Charlotte (2021)