

# Santiago Giraldo

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## Education

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University of Nebraska-Lincoln, NE

Est. Grad Year: 2024

Major: Computer Science

Minors: Spanish & Mathematics

GPA: 3.6

## Work Experience

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University of Nebraska-Lincoln, School of Computing

Jul 2022 – Present

*Student Resource Center Manager – CSCE 10 Lead Teaching Assistant*

- Interview, schedule, and manage undergraduate teaching assistants
- Collaborate with professors to lead over 300 students within 4 sections of CSCE 10 (lecturing, analyzing student grade records, and simplifying student experience)
- Create content over The Complete Engineer, weekly quizzes, advising, and enrollment into classes for all sections of CSCE 10 (Introduction to Computer Science and Engineering)

University of Nebraska-Lincoln,

Dec 2021 – Present

*Orientation Leader - New Student Enrollment*

- Welcome more than 4,500 students and families to the University of Nebraska-Lincoln
- Facilitate small and large group activities
- Develop and deliver content about navigating college life, succeeding academically and socially, and persevering through challenges

University of Nebraska-Lincoln, School of Computing/College of Engineering

Aug 2021 – Present

*Dean's Leader*

- Coordinated over 200 students and family School of Computing group tours
- Supervise the front desk of the Advising Center while communicating with Academic Advisors
- Assisting students with scheduling times to meet with Academic Advisors and helping locate on-campus recourses

## Research Experience

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University of Nebraska-Lincoln, NIMBUS Lab

May 2021 – Aug 2021

*Applied Unmanned Systems*

- Partake in innovative research with drone swarm intelligence, surveillance, target acquisition, and reconnaissance missions for U.S. Army through NSRI
- Constructing, testing, and flying test drones for multiple research projects across the NIMBUS Lab
- Personal research for the Viability Analysis of Wireless Communication Hardware for Multi-rotor Swarm Integration testing Xbee vs Wi-Fi wireless communication at different ranges and obstacles by sending docker packages of various sizes to determine speed, strength, and reliability of wireless connection

## Certification and Software Skill Summary

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- FAA Part 107 Certification - Commercial Drone Pilot
- Languages: Spanish and English
- Programming: C, C++, C#, Java, JavaScript, HTML, Swift, Python, React
- Concepts and Experience: iDesign, Scrum, server management, database management,
- Other: Troubleshooting with iPhones, Macs, PCs, drones (including repairs), software

References Available Upon Request