

# MAKAYLA MOSTER

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## Education

### Clemson University

*Ph.D. Candidate in Computer Science*

- THINKER Scholar
- Robert M. Geist Fellowship

Clemson, SC

Aug. 2019 – Present

2021 – 2022

2019 – 2020

### Clemson University

*M.S. in Computer Science*

Clemson, SC

Aug. 2019 – May 2021

### University of North Carolina Wilmington

*B.S. Honors in Computer Science*

- Concentration in Digital Arts
- Magna Cum Laude
- Thesis title: “Conforming Realistic, Procedural Tree Models to User-Drawn Shapes”

Wilmington, NC

Aug. 2015 – May 2019

3.886 / 4.0

## Experience

### Clemson Game Coding Camp

*Instructor/Researcher*

- Currently developing course content to be taught during the camp in Summer 2021.

Jan. 2021 – Present

[codeatclemson.com](http://codeatclemson.com)

### Graduate Teaching Assistant

*School of Computing*

- CPSC 4910/4911
- CPSC 1011

Aug. 2019 – Dec. 2019, Aug. 2020 – Present

Clemson University

Spring 2021

Fall 2019, Fall 2020

### Graduate Research Assistant

*School of Computing*

- Developed code to model reaction-diffusion systems over arbitrary meshes under the guidance of Dr. Daljit Singh Dhillon.

Jan. 2020 – May 2020

Clemson University

### Computer Science Tutor

*Department of Computer Science*

- Tutored students in multiple computer science courses including Introduction to Programming, Discrete Mathematics, Data Structures, and Object-Oriented Programming.

Sept. 2018 – Dec. 2018

University of North Carolina Wilmington

### Instructor

*Engineering Expectations Summer & Weekend Camps*

- Taught children how to code in HTML/CSS, Python, Java, and Scratch in several week-long and weekend computer science camps.

June 2018 – Aug. 2019

University of North Carolina Wilmington

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## Publications

### 2021

- **Moster, M.**, Ford, D., Rodeghero, P. “ ‘Is My Mic On?’ Preparing SE Students for Collaborative Remote Work and Hybrid Team Communication”, in Proc. of the 43rd IEEE/ACM International Conference on Software Engineering - Joint Software Engineering and Education Track (ICSE JSEET ‘21), Madrid, Spain, May 23-29, 2021.
- Huff Jr, E. W., Boateng, K., **Moster, M.**, Rodeghero, P., Brinkley, J. “Exploring the Perspectives of Teachers of the Visually Impaired Regarding Accessible K12 Computing Education”, in Proc. of the 51st Technical Symposium on Computer Science Education (SIGCSE ‘21), Toronto, Canada, March 13-20, 2021.

### 2020

- Huff Jr, E. W., Boateng, K., **Moster, M.**, Rodeghero, P., Brinkley, J. “Examining the Work Experience of Programmers with Visual Impairments”, in Proc. of the 36th International Conference on Software Maintenance and Evolution - New Ideas and Emerging Results Track (ICSME NIER ‘20), Adelaide, Australia, Sept. 27-Oct. 3, 2020.

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## Awards, Fellowships, & Honors

### **THINKER Scholars Program**

*Scholar*

Aug. 2021 – May 2022

Clemson University

### **Robert M. Geist III Fellowship in Computing**

*Recipient*

Aug. 2019 – May 2020

Clemson University

### **Upsilon Pi Epsilon**

*UNCW Chapter President*

Apr. 2018

2018 - 2019

- Inducted into the UNCW chapter of Upsilon Pi Epsilon, the international honors society for the Computing and Information disciplines.

### **Dean’s List**

*8 semesters*

Aug. 2015 – May 2019

University of North Carolina Wilmington

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## Extracurriculars & Service

### **ICSE 2021 Student Volunteer**

*Accepted*

May 2021

Madrid, Spain (Virtual)

### **SEMotion 2021 Program Committee**

*Invited*

Dec. 2020 – May 2021

ICSE 2021 Workshop

### **SEMotion 2021 Website Chair**

Dec. 2020 – May 2021

ICSE 2021 Workshop

- Deployed, edited, and kept website up-to-date before and during conference period.

### **Letters to a Pre-Scientist Program**

*Pen Pal*

Aug. 2020 – June 2021

[www.prescientist.org](http://www.prescientist.org)

- Corresponded through letters with an elementary school student aspiring for a job in STEM.