

MAKAYLA MOSTER

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Education

Clemson University

Ph.D. Student in Computer Science

- Robert M. Geist Fellowship

Clemson, SC

Aug. 2019 – Present

2019 – 2020

Clemson University

M.S. in Computer Science

Clemson, SC

Aug. 2019 – May 2021 (expected)

University of North Carolina Wilmington

B.S. Honors in Computer Science

Wilmington, NC

Aug. 2015 – May 2019

- Concentration in Digital Arts
 - Magna Cum Laude 3.886 / 4.0
 - Thesis title: “Conforming Realistic, Procedural Tree Models to User-Drawn Shapes”
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Experience

Clemson Game Coding Camp

Instructor/Researcher

Jan. 2021 – Present

codeatclemson.com

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

Graduate Teaching Assistant

School of Computing

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

Clemson University

- CPSC 4910/4911 Spring 2021
- CPSC 1011 Fall 2019, Fall 2020

Graduate Research Assistant

School of Computing

Jan. 2020 – May 2020

Clemson University

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

Instructor

June 2018 – Aug. 2019

Engineering Expectations Summer & Weekend Camps

University of North Carolina Wilmington

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

Posters & Presentations

International Conference on Software Engineering (ICSE) May 2021
Joint Track on Software Engineering Education and Training (JSEET) Madrid, Spain (Virtual)

- Presentation Title: “ ‘Is My Mic On?’ Preparing SE Students for Collaborative Remote Work and Hybrid Team Communication”

Visual Computing Seminar Fall 2019
Clemson University Clemson, SC

- Presentation Title: “Conforming Realistic, Procedural Tree Models to User-Drawn Shapes”

UNCW Spring Undergraduate Research Showcase Spring 2019
University of North Carolina Wilmington Wilmington, NC

- Poster Title: “Conforming Realistic, Procedural Tree Models to User-Drawn Shapes”

Awards, Fellowships, & Honors

Robert M. Geist III Fellowship in Computing Aug. 2019 – May 2020
Recipient Clemson University

Upsilon Pi Epsilon Apr. 2018
UNCW Chapter President 2018 - 2019

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

Dean’s List Aug. 2015 – May 2019
8 semesters University of North Carolina Wilmington

Extracurriculars & Service

ICSE 2021 Student Volunteer May 2021
Accepted Madrid, Spain (Virtual)

SEMotion 2021 Program Committee Dec. 2020 – Present
Invited ICSE 2021 Workshop

SEMotion 2021 Website Chair Dec. 2020 – Present
ICSE 2021 Workshop

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

Letters to a Pre-Scientist Program Aug. 2020 – Present
Pen Pal www.prescientist.org

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