

# SHANNON HALL

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## EDUCATION

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<b>The University of Tennessee</b>	<b>Knoxville, TN</b>	<b>May 2021</b>
Bachelor of Science in Mathematics		GPA: 3.97/4.00
Honors Concentration		Major GPA: 3.97/4.00
Minor in Computer Science		

## EXPERIENCE

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<b>Theoretical Immunology Lab</b>	<b>Knoxville, TN</b>	<b>01/2020 - 05/2020</b>
<i>Research Assistant</i>		
<ul style="list-style-type: none"><li>• Collaborated with Dr. Vitaly Ganusov to study models on influenza behavior</li><li>• Worked mostly independently in order to meet weekly goals</li><li>• Utilized Python, R, and knowledge of differential equations to understand models</li></ul>		
<b>University of Tennessee Math Camp</b>	<b>Knoxville, TN</b>	<b>Summer 2018 - 2020</b>
<i>Tutor</i>		
<ul style="list-style-type: none"><li>• Helped students develop fundamental skills in precalculus in order to prepare them for college</li><li>• Worked primarily with graduate students from the math department</li></ul>		
<b>University of Tennessee Math Department</b>	<b>Knoxville, TN</b>	<b>10/2019 - 05/2020</b>
<i>Grader</i>		
<ul style="list-style-type: none"><li>• Graded assignments for the Introduction to Abstract Math and Honors Matrix Algebra courses</li></ul>		
<b>University of Tennessee College of Engineering</b>	<b>Knoxville, TN</b>	<b>08/2018 - 12/2019</b>
<i>Undergraduate Assistant</i>		
<ul style="list-style-type: none"><li>• Helped students with beginner engineering courses and related problems</li><li>• Worked with other undergraduate and graduate students daily</li></ul>		
<b>University of Tennessee College of Engineering</b>	<b>Knoxville, TN</b>	<b>01/2019 - 05/2019</b>
<i>Undergraduate Teacher's Assistant</i>		
<ul style="list-style-type: none"><li>• Held review sessions, office hours, and graded assignments for the ME 202 course</li><li>• Worked with one other undergraduate student and professor frequently</li></ul>		

## TECHNICAL STRENGTHS

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Experienced with C++, Python, Java, Javascript, MATLAB, R, LaTeX, Windows, macOS, command line

## EXTRA-CURRICULAR ACTIVITIES

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Secretary of University of Tennessee Math Club and part of University of Tennessee Math Honors Program  
Participated in Putnam Competition and University of Tennessee Allen Medal Exam  
Participated in VolCatholic and The Turn  
Member of Phi Beta Kappa and Pi Mu Epsilon

## REFERENCES

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**Dr. Remus Nicoara**

Professor, Director of Math Honors and Undergraduate Research

Mathematics Department

University of Tennessee

[rnicoara@utk.edu](mailto:rnicoara@utk.edu)

**Dr. Jochen Denzler**

Associate Professor

Department of Mathematics

University of Tennessee

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**Dr. Marie Jameson**

Associate Professor

Mathematics Department

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**Dr. Luís Finotti**

Associate Professor

Department of Mathematics

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