

# THEMISTOKLIS HARIS

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## EDUCATION

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<b>Ph.D.</b>	<i>Boston University</i> , Computer Science GPA: 4.0	Expected June 2028
<b>BA</b>	<i>Dartmouth College</i> , Computer Science and Mathematics Graduated Summa Cum Laude. GPA: 3.94	June 2021

## HONORS AND AWARDS

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<b>Boston University Dean's Fellowship</b> Research Fellowship at Boston University	2023
<b>Lovelace Research Scholarship</b> Funding for an undergraduate research assistantship in Computer Science.	2021
<b>Francis L. Town Scientific Prize in Computer Science</b> The prize is offered annually to "one meritorious and deserving student in each department of scientific study at the College" at the end of the sophomore year.	2019
<b>James O. Freedman Presidential Scholar</b> The scholarship includes funding for a research assistantship alongside Dartmouth faculty.	2018
<b>13 Citations for Academic Excellence</b> Academic citations are awarded at the end of a course to recognize distinctive performance.	

## RESEARCH EXPERIENCE

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<b>Researcher</b> , Boston University Advisor: Alina Ene <ul style="list-style-type: none"><li>Combinatorial Optimization and Large Language Machine Learning Models.</li></ul>	2023
<b>Undergraduate Thesis</b> , Dartmouth College with Amit Chakrabarti <ul style="list-style-type: none"><li>Streaming algorithms for hypergraph pattern counting.</li></ul>	2021
<b>Undergraduate Researcher</b> , Theory Lab with Amit Chakrabarti <ul style="list-style-type: none"><li>Information theoretic techniques in Communication Complexity.</li></ul>	2020
<b>Undergraduate Researcher</b> , DARTNETS lab with Xia Zhou <ul style="list-style-type: none"><li>Augmented Reality Systems for teaching sign language using microfiber gloves.</li></ul>	2019

## TEACHING EXPERIENCE

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<b>Teaching Assistant</b> , Department of Computer Science <ul style="list-style-type: none"><li>Head TA for a "Theory of Computation" class.</li></ul>
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- Performed duties such as hosting office hours and grading for 10 courses.

## PUBLICATIONS

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### *Conference Papers*

Haris, Themistoklis and Chakrabarti, Amit, “**Counting Simplices in Hypergraph Streams,**” Proceedings of the European Symposium on Algorithms (ESA), Sep 5-7, 2022, LIPIcs.ESA.2022.32, pp. 32:1-32:19, [URL](#)

### *Journal Papers*

Qijia Shao, Amy Sniffen, Julien Blanchet, Megan Hillis, Xinyu Shi, Themistoklis Haris et al. 2020. “**Teaching American Sign Language in Mixed Reality**”. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 4, 4, Article 152 (December 2020), 27 pages. <https://doi.org/10.1145/3432211>

## PRESENTATIONS AND INVITED LECTURES

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### **Paper Presentation**

- “Counting Simplices in Hypergraph Streams,” ESA 2022, 9/7/2022, Potsdam, Germany

### **CoreOS Learning Day**

- Outlined the Windows Container Virtualization Stack to a cohort of around 100 Microsoft Engineers and Program Managers.

## PROFESSIONAL AFFILIATIONS

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Microsoft, 2021-2023

### **Software Engineer – Windows Kernel Container Team**

- Reliability and Performance of Windows and Linux Containers.
- Won the Core OS hackathon in 2022 within a team of 3 engineers.
- Mentored a summer intern project, designing core details and providing guidance.

## COMMUNITY SERVICE

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### **Social Activities Committee @ BU**

- Organized social activities for the CS PhD community at BU university.

### **CoderDojo @ Dartmouth**

2019-2021

*[President]*

- Designed curricula and taught computer science to local high-school students.
- Led the organization socially and logistically throughout the COVID-19 pandemic.

## LANGUAGES

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**Greek:** Native Language | **English:** Bilingual Proficiency | **French:** Limited Working Proficiency  
**Japanese:** Elementary | **Mandarin Chinese:** Elementary

## TECHNICAL EXPERTISE

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**Programming Languages:** C | C++ | Java | Python | Rust | JavaScript | Ruby | C# | R  
**Technologies:** Virtualization, Container Architecture, OS Performance Optimization