

# Daniel HyunSeok Jang

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## EDUCATION

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Sep. 2025 - Present Ph.D. (Computer Science) — Northwestern University  
Advisor: *Fabian Bustamante*

Aug. 2018 - May 2023 BSc (Computer Science) — New York University Abu Dhabi

## PUBLICATIONS

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- **Roam Without a Home: Unraveling the Airalo Ecosystem**

[HyunSeok Daniel Jang](#), Matteo Varvello, Andra Lutu, Yasir Zaki  
*25th ACM Internet Measurement Conference (IMC)*, Madison, WI, USA, 2025

- **From GEO to LEO: First Look Into Starlink In-Flight Connectivity**

[HyunSeok Daniel Jang](#), Matteo Varvello, Aravindh Raman, Yasir Zaki  
*25th ACM Internet Measurement Conference (IMC)*, Madison, WI, USA, 2025

- **PixLift: Accelerating Web Browsing via AI Upscaling**

Yonas Atinifu, Sarthak Malla, [HyunSeok Daniel Jang](#), Nouar Aldahoul, Matteo Varvello, Yasir Zaki  
*5th ACM Conference on Computing and Sustainable Societies (COMPASS)*, Toronto, Canada, 2025

## PEER-REVIEWED EXTENDED ABSTRACTS

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- **Poster: A First Look at IPX Hub Breakout with Airalo**

[HyunSeok Daniel Jang](#), Matteo Varvello, Andra Lutu, Yasir Zaki  
*24th ACM Internet Measurement Conference (IMC)*, Madrid, Spain, 2024

## PREPRINTS

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- **A Tale of Three Location Trackers: AirTag, SmartTag, and Tile**

[HyunSeok Daniel Jang](#), Hazem Ibrahim, Rohail Asim, Matteo Varvello, Yasir Zaki  
*Under submission, 2026*

- **Challenges and Opportunities for Global Cellular Connectivity**

Viktoria Vomhof, [HyunSeok Daniel Jang](#), Matteo Varvello, Stefan Geißler, Yasir Zaki, Tobias Hoßfeld, Andra Lutu  
*Under submission, 2025*

- **TikTok's recommendations skewed towards Republican content during the 2024 U.S. presidential race**

Hazem Ibrahim, [HyunSeok Daniel Jang](#), Aaron R. Kaufman, Talal Rahwan, Yasir Zaki  
*Under submission, 2025*

## PROFESSIONAL EXPERIENCE

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### **Communication Networks Lab, NYU Abu Dhabi**

Research Assistant

Sep. 2023 - Aug. 2025

*Abu Dhabi, UAE*

- Worked on architecture and performance analysis for cellular, satellite, and BLE connectivity
- Developed active network measurement testbed for Android systems

<b>Finakle</b>	June - Aug. 2022
Backend Developer, Intern	<i>Seoul, South Korea</i>
<b>TeamSparta Inc.</b>	Apr. - Nov. 2021
Software Engineer, Intern	<i>Seoul, South Korea</i>

## AWARDS

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<b>Tamayyuz (Excellence) Research Fellowship</b>	Sep. 2023 - Aug. 2024
New York University Abu Dhabi	

## CERTIFICATIONS

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<b>AWS Certified Solutions Architect - Associate</b>	July 2023
Validation Number: ZRNNKBT1X2Q4QGKL	