

Daniel HyunSeok Jang

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EDUCATION

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

- **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 Atinafu, 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

- **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

- **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 Hofffeld, 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

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

Sep. 2023 - Aug. 2025

Research Assistant

Abu Dhabi, UAE

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

Finakle
Backend Developer, Intern

June - Aug. 2022
Seoul, South Korea

TeamSparta Inc.
Software Engineer, Intern

Apr. - Nov. 2021
Seoul, South Korea

AWARDS

Tamayyuz (Excellence) Research Fellowship
New York University Abu Dhabi

Sep. 2023 - Aug. 2024

CERTIFICATIONS

AWS Certified Solutions Architect - Associate
Validation Number: ZRNNKBT1X2Q4QGKL

July 2023