



Request for Urban Tech Postdoctoral Associates

The Jacobs Urban Tech Hub at Cornell Tech (the “Hub”) is soliciting applications for postdoctoral associates (“Postdoc”) for research and engagement with the Hub. The Hub will provide a postdoctoral associate with an annual salary and benefits plus travel and research funding to allow them to engage in applied research that aligns with and amplifies the Hub’s mission (<https://urban.tech.cornell.edu/>). We are seeking researchers who are enthusiastic about collaborating with urbanists, scientists and colleagues from other disciplines and who have a demonstrated interest in applied urban tech research. Positions are 1 year in duration and renewable for up to 2 additional years.

Areas of specific research interest for the Hub include the role of artificial intelligence, data analytics, human-computer interaction and privacy/security issues with regard to the planning, operation, management and improving the quality of life in cities.

This postdoc position requires a PhD in Computer Science, Information Science, Operations Research, Electrical and Computer Engineering or other related fields such as civil engineering.

Many of the topics central to the Hub’s mission involve interdisciplinary collaboration. To that end, researchers who have collaborated in interdisciplinary work with other Hub partners, including the Technion–Israel Institute of Technology, and other colleges within Cornell University, such as Architecture, Art and Planning, and Engineering are encouraged to apply.

The ideal Hub Postdoc will have a passion for both technology and cities. The Hub is a highly collaborative environment, and expects Postdocs to engage with both the Cornell Tech community and the public. To that end, the Hub requires Postdocs to creatively share their research and engage the public in forums, partnerships and other communication platforms.

The Hub will offer selected postdoctoral associates multiple opportunities to engage with Cornell faculty, students, and scholars in computer science and other disciplines, including the opportunity (but not an obligation) to teach, mentor graduate students or lead reading seminars.

The position is based on Cornell Tech’s Roosevelt Island campus in order to promote engagement with the Hub and collaborations with faculty and students. Postdocs would work under the direction of current Cornell Faculty in one of the three main areas within Cornell Tech’s research core, which include artificial

intelligence, human-computer interaction and privacy & security. See **Exhibit A** for Cornell Tech faculty that have indicated support for this initiative.

Excellent communication skills, ability to work in multidisciplinary teams, and scientific creativity are essential.

Application Requirements

To apply for this Postdoc position, please email a CV, research statement, and names/contact info for 3 people who can serve as references to urbantecchub@cornell.edu

Applications will be accepted on a rolling basis and candidates will be considered until the position is filled. To be considered, all applicants must submit a curriculum vitae, and a research statement highlighting past and current research experience.

If you have any questions, please email Michael Samuelian, the Director of the Urban Tech Hub at michael.samuelian@cornell.edu

About Cornell Tech

Cornell Tech is Cornell University's groundbreaking campus for technology research and education in New York City. The establishment of the Cornell Tech campus was a visionary move; one that was meant to galvanize and rethink technology research and education not just for NYC, but also the nation, and the world. The City of New York had the incredible vision to attract a premier applied sciences institution that would accelerate the city's tech industry and diversify its economy. Cornell, in partnership with the Technion, won the competition and we didn't wait to start having an impact.

Today, we have a state-of-the-art campus on Roosevelt Island, 450 master's students, 90 PhDs, and dozens of faculty and staff. What sets the campus apart is we bring together worlds that are usually silo-ed apart, and have them collide in a highly interdisciplinary and collaborative environment. We are bringing together the best minds and methods in computer science and engineering — along with business, law and design — to build a better world. We are engaged deeply on how technology impacts society at large and we are connected on the local level in New York City to ensure we can have a positive impact on the city we call home.

About the Jacobs Urban Tech Hub

The Jacobs Urban Tech Hub addresses pressing urban challenges and discovers new ways that digital technology can drive solutions and engage thought-leaders and communities to realize the positive impact of urban technologies. The Hub is a center of activity and experimentation that bridges the gap between academic resources and public needs. At Cornell, the Urban Tech Hub has a threefold mandate; to undertake applied research on

urban challenges, to leverage the convening power of a university campus to bring people together and to educate the next generation of home-grown NYC tech talent.

Unlike traditional academic departments, Hubs are agile and flexible, able to adapt research to be responsive to changing public and industry needs. The flexibility of hubs enables the Jacobs Institute, and Cornell Tech to remain current even as industry and technology change in ways that are impossible to predict.

Cornell Tech (and the Jacobs Institute) is/are an Affirmative Action/Equal Opportunity Employer. We are particularly interested in attracting women and underrepresented groups to engage with the Urban Tech Hub.

For further information about the Jacobs Urban Tech Hub and its activities, see <https://urban.tech.cornell.edu/>

Exhibit A - Cornell Tech Faculty

Nicki Dell; Assistant Professor, Information and Computer Science at the Jacobs Technion-Cornell Institute at Cornell Tech

<https://nixdell.com/>

Nikhil Garg; Assistant Professor, Operations Research and Information Engineering at the Jacobs Technion-Cornell Institute at Cornell Tech

<https://gargnikhil.com/>

Karan Girotra; Professor, Cornell Tech

<https://tech.cornell.edu/people/karan-girotra/>

Wendy Ju; Associate Professor, Information Science at the Jacobs Technion- Cornell Institute at Cornell Tech

<https://www.wendyju.com/>

Nathan Kallus; Assistant Professor, Operations Research and Information Engineering at Cornell Tech

<http://www.nathankallus.com/>

Volodymyr Kuleshov; Assistant Professor, Computer Science at the Jacobs Technion-Cornell Institute at Cornell Tech

<https://www.cs.cornell.edu/~kuleshov/>

Andrea Lodi; Andrew H. and Ann R. Tisch Professor, Operations Research and Information Engineering at the Jacobs Technion-Cornell Institute at Cornell Tech

<https://www.gerad.ca/en/people/andrea-lodi>

Helen Nissenbaum; Professor, Information Science at Cornell Tech

<https://nissenbaum.tech.cornell.edu/>

Tap Parikh; Associate Professor, Information Science at Cornell Tech

<http://tap2k.org/>

Emma Pierson; Assistant Professor, Computer Science at the Jacobs Technion- Cornell Institute at Cornell Tech

<https://cs.stanford.edu/~emmap1/>

Tom Ristenpart; Associate Professor, Computer Science at Cornell Tech

<https://rist.tech.cornell.edu/>

Anna Scaglione; Professor, Electrical and Computer Engineering at Arizona State University
<https://scaglione.engineering.asu.edu/>

Noah Snively; Associate Professor, Computer Science at Cornell Tech
<https://www.cs.cornell.edu/~snively/>

Huysein Topalglu; Professor, Operations Research and Information Engineering at Cornell Tech
<https://people.orie.cornell.edu/huseyin>