

COMPUTER SCIENCE  
SEMINAR

*Delivering the future of medical logistics – behind the scenes at  
Zipline*

Vasumathi Raman  
Nuro (self-driving car)

**Abstract:** Abstract: Zipline is at the forefront of a logistics revolution, using autonomous aircraft to deliver just-in-time, lifesaving medical supplies on multiple continents, 7 days a week. We believe access to medical care should not depend on your GPS coordinates. This talk will introduce you to the tough engineering problems we solve in both hardware and software, and include a live (virtual) tour of one of our distribution centers in Ghana. We'll have plenty of time for questions.

**Bio:** Vasu Raman is a roboticist who works on behaviour and motion planning for autonomous systems, and is passionate about transforming state-of-the-art concepts into robust real-world deployments. She is particularly driven by safety-critical systems performing complex tasks in dynamic environments, which require fusing technical and creative perspectives from control, machine learning, game theory, and formal methods. Vasu was an early engineer at both Zoox and Nuro, building planning and prediction for self-driving cars. She now works on detect-and-avoid technology at Zipline, realizing the future of on-demand logistics in medicine and beyond. Vasu has a PhD in CS from Cornell and a BA in Math and CS from Wellesley College.

Friday, October 9, 2020, 1:00 pm  
<https://emory.zoom.us/j/92722816908>

COMPUTER SCIENCE  
EMORY UNIVERSITY