

Asif Rehan

✉ asif.rehan@engineer.uconn.edu  [linkedin.com/in/asifrehan](https://www.linkedin.com/in/asifrehan) ☎ (832)786-8332
Apt#1, 114 South Eagleville Rd., Storrs, CT-06268

Objective	Internship/full time transportation engineering position utilizing skills in Geographic Information System, computer programming and applied statistics	
Education	Master of Science in Civil & Environmental Engineering University of Connecticut , Storrs, CT	<i>Expected 2015</i>
	<ul style="list-style-type: none">• <i>Concentration</i>: Transportation & Urban Engineering, GPA 3.58• <i>Thesis</i>: Crowd-Sourcing Real-time Traveler Information System• <i>Relevant Courses</i>: Applied Statistics I & II, Travel Demand Forecasting, Neural Network for Classification and Optimization, Public Transportation Systems	
	Bachelor of Science in Civil Engineering Bangladesh University of Engineering & Technology (BUET) , Bangladesh	<i>2013</i>
	<ul style="list-style-type: none">• <i>Major</i>: Transportation Engineering, GPA 3.65• <i>Thesis</i>: Bus Stop Access Characteristics of Dhaka City Travelers	
	Professional Certificate Course on Application of GIS Bangladesh Institute of Planners , Bangladesh	<i>2013</i>
	<ul style="list-style-type: none">• Learned practically about GIS mapping, Coordinate Systems, SQL query• Achieved 2nd position among 30+ senior GIS professionals	
Skills	Programming : Python (SciPy, NumPy, PANDAS, NetworkX, Scikit-Learn), Java, C++ Statistics : R, SPSS, LIMDEP/NLOGIT, SAS, MS Excel GIS : ArcGIS, QGIS, ArcPy, GDAL/OGR, Shapely, Fiona, PyProj, Matplotlib Web & others : SQL, HTML, JavaScript, GitHub CAD & Design : AutoCAD, ETABS Operating Systems : Windows, Linux (Ubuntu, Mint), Android Productivity : L ^A T _E X, Microsoft Office Suite (PowerPoint, Excel, Word), Prezi	
Work Experiences & Projects	Graduate Research & Teaching Assistant , <i>University of Connecticut</i>	<i>2013-Present</i>
	<ul style="list-style-type: none">• Implemented multiple algorithms in Python for GPS data filtering and identifying correct transit route• Manipulated geo-temporal data using ArcGIS and open-source Python libraries• Created GitHub repositories for version control of the implemented codes• Assisted instructors of courses Decision Analysis & Vector Mechanics	
	Lecturer , <i>University of Information Science and Technology, Bangladesh</i>	<i>2013</i>
	<ul style="list-style-type: none">• Taught GIS concepts and application using ArcGIS in lab class• Administered undergraduate courses and examinations	
	Universal Accessibility in Public Transit , <i>Design project competition</i> , Bangladesh	<i>2013</i>
	<ul style="list-style-type: none">• Achieved runners-up position out of 81 university teams• Designed low-cost solution to accommodate wheel chairs into public buses	
Selected Achievements	<ul style="list-style-type: none">• In top three, WTS CT Student Research Poster Competition, Connecticut• Dean's Award, Merit Scholarships, University Scholarships, Board Scholarship• Runners up, English Debate, 3rd BUET Debate Championship, Dhaka, Bangladesh	<i>2014</i> <i>2008-13</i> <i>2010</i>
Presentations & Anchoring	<ul style="list-style-type: none">• Presented at WTS Transportation Miniseries, Connecticut• Presented at UConn ITE Student Symposium, Connecticut• Anchored in seminar: "Civil Engineering in Bangladesh: Problems & Opportunities"	<i>2014</i> <i>2014</i> <i>2012</i>
Activities	Affiliation : <i>Institute of Transportation Engineers</i> (UConn Chapter), <i>Young Professionals in Transportation</i> (Hartford Chapter), <i>Institute of Engineers Bangladesh</i> (Associate Member) UConn : Senator at <i>Graduate Students Senate</i> , <i>CEE Graduate Students Association</i> BUET : English Debate Secretary at <i>BUET Debating Club</i> , <i>Civil Engineering Students Association</i> , <i>The Duke of Edinburgh's International Award</i>	
Interests	Programming, GIS, Statistical Modeling, Machine Learning, Intelligent Transportation System	