

Arman Al Jahan

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Education Background

Aug'2016-Ongoing (Online)

Masters in Statistical Science, University of Idaho

Jan'2015-May'2016

MEngg. in Civil Engineering (Transportation) University of Idaho

Research-1: Bicycle Centrality Python Tool for 10 USA cities in ArcGIS (Rails to Trails Conservancy project) under Prof. Mike Lowry. (May'15 – May'16)

- GIS raw data collection and mining.
- Developing Python tools to analyze GIS data.
- Preparing report.

Research-2: Vehicle Detection Efficiency of E/D St. & US-95 (ITD project) under Prof. Ahmed Abdel Rahim. (Jan'15 – May'15)

- Video data collection.
- Finding detector's inefficiency both with software and manually (miss, false, double).
- Back-checking TIS report using VISSIM.
- Necessary statistical analysis.

Work Experience

Aug'2017- Ongoing

Construction Inspector, New York City DDC

Aug'2016 - May'2017

Teaching Assistant, University of Idaho (Statistics)

Jan'2015 – May'2016

Research Assistant, University of Idaho (Civil Engineering)

Feb'2014 – July'2014

Technical Service Officer, UltraTech Cement, Aditya Birla

Group

Skills

Software Experience

- *Traffic Operation - Vissim, Synchro-9, HCS*
- *Drawing Tools - Civil 3D*
- *Pavement analysis - KenPave*
- *Geospatial - ArcGIS*
- *Data Analysis Statistical Analysis - R, Matlab, SAS, Julia.*
- *Data Management - MySQL , Excel*
- *Programming Capability Python*

Writing Skills - Fluent in report writing in Word and LaTeX

Language Proficiency - English, Bengali

Affiliation

- Member, ITE student chapter, University of Idaho.
- Member, BUET alumni association.

Completed courses

- Intersection Traffic Operations (CE 572)
- Highway Design (CE 473)
- Highway Traffic Operation (CE 578)
- Public Transportation (CE 574)
- Highway Traffic Safety (CE 576)
- Statistical Analysis (STAT 431)
- Transportation Planning (CE 573)
- Spatial Analysis and Modeling (GEOG 507)
- Traffic Flow Theory (CE 572)
- Applied Regression Modeling (STAT 516)
- Probability Theory (STAT-451)
- Survey Sample Methods (STAT-422)
- Experimental Design (STAT-507)
- Mathematical Statistics (STAT-452)
- Multivariate Analysis (STAT-519)
- Statistical Consulting Practicum (STAT-597)