S. M. Aftatul Aman, EIT

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Engineer In Training (Reg. # 6916) and about four years of hand-on experience in the field of Civil Engineering design, planning, co-ordination, site connection, survey, inspection, management, estimation, procurement, and two years active experience in academic research and teaching activity. Comprehensive knowledge in AASTHO and HCM.

PROFESSIONAL EXPERIENCE

GRADUATE RESEARCH ASSISTANT — **Research Foundation - CUNY**, 230 West 41st Street, New York, NY 10036 — January 2018 – Present

- Conduct study on warehousing in the textiles reuse sector
- Work with project team to develop warehouse capacity survey
- Conducts/survey interviews with reuse organizations
- Analyze data to estimate organizational capacities
- Develop project reports and presentations to communicate results with sponsors

GRADUATE TEACHING ASSISTANT — **Grove School of Engineering (CCNY)**, 275 Convent Ave, New York, NY 10031 — January 2017 – Present

- Designing homework and exams
- Grading of exam papers
- Preparing presentations and lecture notes
- Holding office hours to help students understanding the course materials
- Taking class in the absence of instructor
- Conducting in-class discussion and understanding of group projects
- Courses: Transportation Systems Engineering (Spring 2017), Transportation Planning (Fall 2017), Transportation Planning (Spring 2018)

CIVIL ENGINEER INTERN — **SHAHRISH Consulting LLC**, 535 Broadhollow Road (Suite # B-7), Melville, NY 11747 — May 2017 – August 2017

- Application of standard techniques, procedures, and criteria to carry out engineering tasks.
- Worked on a wide range of projects and tasks under direct supervision of a Licensed Professional Engineer
- Field research, data collection, data analysis, surveys, graphics, maps and data presentation
- Planning and scheduling of special inspections and assisting P.E. for preparing reports
- Construction and Demolition set preparation
- Preparation of filing documents for DOB submission.
- Preliminary study of zoning and land use of NYC and Long Island
- Introductory design of streets based on AASHTO guidelines and Highway Capacity Manual (HCM)
- Engineering Calculations and Drawings with AutoCAD 2017
- Road intersections design with PTV VISSIM, Synchro

ASSISTANT PROJECT ENGINEER — **BETS Consulting Services Ltd.**, Gulshan-1, Dhaka-1212, Bangladesh — December 2014 – July 2015

- Cost Estimation, Project Planning, and Engineering
- Proposal writing and budgeting jobs according to the scope of work
- Coordination with consultants on design and contract documents to assure systematic design process
- Ensure site safety for field personnel and from hazardous materials
- Prepare updated reports for ongoing projects and research works and conducting surveys

ASSISTANT CIVIL ENGINEER | **Mir Real Estate Ltd.** | June 2012 – November 2014
New DOHS Mohakhali, Dhaka-1206, Bangladesh

- Site inspection and evaluating construction condition
- Feasibility study before starting any site development work
- Design review and communication with architects other engineering departments
- Preparation of contract document and specifications and coordinate with contractors
- Collection and analysis of billing information with contact documents

ASSISTANT CIVIL ENGINEER | **Project Builders Ltd.** | August 2011 – May 2012
Gulshan-2, Dhaka-1212, Bangladesh

- Review shop drawings to solve problems in construction phases
- Involved in multi-task projects, i.e., extension of highways, site development, Highrise building construction
- Studied Consultant's construction drawings in accordance with Dhaka City Corporation Design Standards and Specifications

EDUCATION

Masters in Civil Engineering — Expected Graduation: May 2018
The City College of New York (CUNY)

Masters in Procurement and Supply Management — Graduated: 2014
BRAC University, Dhaka, Bangladesh

Bachelor of Science in Civil Engineering (1st Professional Degree) — Graduated: July 2011
Rajshahi University of Engineering & Technology, Rajshahi, Bangladesh

AFFILIATION & CERTIFICATION

- Student Member of American Society of Civil Engineers (ASCE); Member ID # 10945818
- Engineer in Training (EIT – Civil)
- OSHA 30 Hour Outreach Training Program – Construction
- 40 Hours Training on STAAD Pro (Institution of Engineers, Bangladesh)

TECHNICAL SKILLS

- Traffic Simulation (PTV VISSIM, Synchro)
- STAAD Pro, AutoCAD
- Programming Languages (Python, MATLAB, R)
- Microsoft Word, Excel, Project, Power Point
- OS (Windows, Mac)

OTHERS

- NYS Driving License

REFERENCES

- Available upon request