

## Anmol Haque

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### Education:

Bangladesh University of Engineering and Technology	Dhaka, Bangladesh	Water Resources Engineering	B.S. 2015
Bangladesh University of Engineering and Technology	Dhaka, Bangladesh	Water Resources Engineering	M.S. 2018
Virginia Polytechnic Institute and State University	Blacksburg, VA, U.S.A	Civil and Environmental Engineering	Ph.D. student (Expected Graduation, May 2022)

### Academic Research:

#### Graduate Research Assistant, Virginia Tech

Jan 2018 – Cont.

- Currently a **National Science Foundation Research Traineeship** scholar under the project titled “Disaster Resilience and Risk Management (DRRM) – Creating quantitative decision making frameworks for multi-dimensional and multi-scale analysis of hazard impact”.
- Conducting research in the investigation of sediment transport using a dam-break model as a proxy for tsunami and storm sediment movement under the NSF funded project titled “Collaborative Research: Tsunami and tropical storm sediment dynamics and products”

#### Research Fellow , Bangladesh University of Engineering and Tech. Feb 2016 – Jul 2017

I was part of the BUET-JIDPUS team as a Research Fellow working under the project titled “Development of Post-Graduate Research and Degree Programs in Disaster Risk Reduction at New Institute on Disaster Prevention and Urban Safety”.

### Professional Experience:

#### Graduate Teaching Assistant, Virginia Tech

Aug, 2017 – Dec 2017

Conducted recitation classes to undergraduate students in the department of Civil and Environmental Engineering mainly focusing in Fluid Mechanics. Also, responsible for grading of Undergraduate course in Groundwater resources

Institute of Water Modeling (IWM) is an independent organization under the Trust Act that carries out research, planning and technology transfer related to water management projects in Bangladesh funded by Govt. of Bangladesh, World Bank, Asian Development Bank, etc. Projects worked under:

- “Coastal Embankment Improvement Project- Phase I (CEIP-I). Under this project, selected 17 coastal polders (embankments) was upgraded and rehabilitated with the financial support from World Bank.
- "Feasibility Study for the Improvement and Restoration of Navigability for Burishwar-Paira, Old Brahmaputra, Dharala, Dudhkumar, Punarbhaba, Tulai and Showa River".

### **Conference Proceedings & Presentations**

- Haque, A., Irish, J.L., Weiss, R (2018). Studying the inundation (hydrodynamic) forcing on the sediment structure on a 1D-sediment model. YCSEC-Americas, Nov 9-11.
- Haque, A., Navera, U.K., Haider, M.R. (2016). "Developing a semi-Distributed Hydrological Model and Rainfall Frequency Analysis of Bangshi River Basin", 3<sup>rd</sup> International Conference on Civil Engineering for Sustainable Development (ICCESD 2016), 12~16 February, KUET, Khulna, Bangladesh (ISBN: 978-984-34-0265-3).

### **Awards and Recognition**

- G.V Loganathan Memorial Graduate Fellowship, 2017-2018, Virginia Tech
- Dean’s Scholarship for 2 years, BUET
- University Merit Scholarship (Technical Division), BUET

### **Member**

- Student Member , American Society of Civil Engineers (ASCE)

### **Activities**

- Organizing Committee for NRT-Disaster Resilience and Risk Management Workshop, Vtech
- Treasurer at EWRI-COPRI (Student Chapter), Dept. of CEE, Virginia Tech
- Volunteer assist for technical sessions at the ASCE-ICCE 2018, Baltimore, Maryland, USA.
- Host at the National Stakeholder’s Workshop on “Inland Waterway Navigability Improvement Feasibility Study” organized by Royal-Haskoning DHV, Netherlands, Dhaka, Bangladesh on 22<sup>nd</sup> June, 2016.