

SHAIKH SHAWON AREFIN SHIMON

Lecturer & On Leave

Ph.

D,

Computer

Science, University

Waterloo, ON, Canada (Sep 2021 – Present)

M.S,

Computer

Fort Collins, CO, USA

Science,

of

Colorado

State

Waterloo

University

(Ongoing)

(CSU)

B.Sc, Computer Science And Engineering (CSE), Bangladesh University of Engineering & Technology
(BUET)

Dhaka, Bangladesh

Office hours:

On study leave (Fall 2021 – Present).

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Biography

I joined ECE, NSU as a full-time faculty in April 2018. Before joining NSU ranks, I was a software

engineer in Mobile devices and Electronic Design Automation industry across US and Asia for 6+ years. I obtained my B.Sc in Computer Science and Engineering (CSE) from Bangladesh University of Engineering and Technology (BUET); and went on to obtain an MS in Computer Science from Colorado State University (CSU), Fort Collins, Colorado, USA. During my time at CSU Fort Collins, I worked as a research assistant in Mobile Human-Computer Interaction area at Ruiz HCI Lab (Presently relocated to University of Florida Gainesville, USA) under Dr. Jaime Ruiz. Besides working as a full-time faculty at NSU ECE – I also worked as a Co-ordinator for School of Engineering and Physical Sciences (SEPS) at NSU Career and Placement Center (CPC), leading industry-academia collaboration for School of Engineering from 2018 to 2020.

Currently, I am a doctoral candidate in School of Computer Science (SCS), University of Waterloo, ON, Canada and on an academic leave from North South University.

My current research area focuses on exploring interaction modalities for gesture-sensing earable (i.e., ear-mounted wearable) devices. During my doctoral research, I collaborated with Huawei Human Machine Interaction (HMI) lab in Markham, ON, Canada.

More info about my current research area and research group in University of Waterloo can be found [here](#).

I am well experienced in Agile SCRUM/XP/Kanban, Incremental / RAD / V-model Software Development Life Cycle (SDLC), Software Version Controlling, Software Project Management / Bug tracking / Quality Assurance process, and well-acquainted with Continuous Integration / Deployment (CI/CD) & build automation process. As a software engineer – I received best employee award at SRBD for Software Development work on Samsung Rex 70 Middle East Asia (MEA) release in 2013.

If you are considering approaching me for a Letter of Recommendation (LOR) for graduate school or professional reference, please read this guideline.

I can be reached via the following emails outside of NSU:

- [skshimon\[at\]alumni\[dot\]colostate\[dot\]edu](mailto:skshimon[at]alumni[dot]colostate[dot]edu)
- [ssarefin\[at\]uwaterloo\[dot\]ca](mailto:ssarefin[at]uwaterloo[dot]ca)

Research Areas

- Human Computer Interaction (HCI)
- Software Engineering

- Mobile, Wireless and Web Applications Development

Research Interests

Data Science & Analytics

:

Data Visualization & Interaction, Data Pipeline

Human-Computer

Interaction (HCI)

:

Augmented Reality (AR), Virtual Reality (VR), Large Screen Surface Displays

(Tabletops, Public Display, Automotive displays), Mobile & Wearable Devices & Interaction.

Computer Supported

Cooperative Work (CSCW)

:

Collaborative Educational Technology

Societal Computing

:

Computing Technology & Policy, Computing for Social Good

If you are interested in working with me, send me an email

at <shaikh[dot]shimon[at]northsouth[dot]edu> .

Please read the guideline for communicating with me as a current NSU student.

Note: A great way to understand if a faculty is a good fit for working with on research is to do a course under him.

If you already have done a course under him/her, you are well aware of the faculty's supervision style and the faculty is well aware of your potential as a hard worker.

Teaching

- CSE 498/EEE 498/ETE 498 Internship/Co-op/Directed Research
- CSE 486 Mobile and Wireless Application Development
- CSE 427 Software Quality Assurances & Testing

- CSE 373 Design and Analysis of Algorithms
- CSE 332 Computer Organization and Architecture
- CSE 299 Junior Design Course
- CSE 225 Data Structures and Algorithms
- CSE 225L Data Structures and Algorithms Lab
- CSE 215 Programming Language II
- CSE 215L Programming Language II Lab
- CSE499A/EEE499A/ETE499A – Senior Design I
- CSE499B/EEE499B/ETE499B – Senior Design II

Selected Publications

Journals

- Shaikh Shawon Arefin Shimon, Ali Neshati, Junwei Sun, Qiang Xu, Jian Zhao, “Exploring Uni-manual Around Ear Off-Device Gestures for Earables,” Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, Volume 8, Issue 1, 2024

Conference Papers

- Shaikh Shawon Arefin Shimon , Courtney Lutton , Zichun Xu ,Sarah Morrison-Smith , Christina Boucher , Jaime Ruiz, “Exploring Non-touchscreen gestures for smartwatches,” CHI '16 , 2016
- Shaikh Shawon Arefin Shimon , Sarah Morrison-Smith , Noah John , Ghazal Fahimi , Jaime Ruiz, “Exploring User-Defined Devices,” MobileHCI'15, 2015

Back-Of-Device

Gestures

for

Mobile

- Mohammad Rayed, Tawfique Elahi, SHAIKH SHAWON AREFIN SHIMON, Nova Ahmed, “MFS Design in Appstore-enabled Smart Featurephones for Low-literate, Marginalized Communities,” CHI2023, 2023

Professional Activity

Career coordinator, School of Engineering & Physical Science (SEPS)

Career & Placement Center (CPC), North South University

(June 2018- June 2020)