

# Taslim Arefin Khan

User Experience Researcher

3+ years of experience conducting UX research

taslimarefinkhan@gmail.com

<http://taslim-arefin.net/>

[linkedin.com/in/taslim-ak](https://www.linkedin.com/in/taslim-ak)

Vancouver, Canada | +1 778 321 6840

## EDUCATION

Sep 2017 – Sep 2019  
(expected)

### University of British Columbia (UBC)

MSc in Computer Science (Human-Computer Interaction, HCI)

Supervisors: Dr. Joanna McGrenere and Dr. Dongwook Yoon

2015 – 2017

### Bangladesh University of Engineering & Technology (BUET)

MSc in Computer Science & Engineering (HCI & Ubiquitous Computing)

Supervisor: Dr. A. B. M. Alim Al Islam

2010 – 2015

### Bangladesh University of Engineering & Technology (BUET)

BSc in Computer Science & Engineering

## PROFESSIONAL EXPERIENCE

### UX Consultant | NITEX | May 2019 – present

Working remotely to analyze existing design, diagnose usability problems using heuristic evaluation and cognitive walkthrough, discuss design with in-house design and product teams, recommend research methods to design team for formative data collection.

### Graduate Academic Assistant | DFP@UBC | Feb 2019 – present

Working with Dr. Sabrina Hauser to design a system for DFP trainees to visualize program requirements, track trainee progresses, create easy and manageable workflow for program coordinator to follow-up with trainees.

### DFP@UBC Trainee | Mozilla | Jan 2018 – Jun 2018

Conducted formative research through design thinking on “re-finding previously found information on the web” in collaboration with Mozilla. Designed a personalized and augmented tool for re-finding information: 100% success rate with our tool vs. 38% with existing methods. Proof of concept prototype: <http://taslim-arefin.net/pawh/test.html>

### Software Engineer (Android team) | Lantas Tech | Nov 2014 – Jun 2015

Developed a contact management app called Yello! Designed and developed duplicate contact resolution module. Redesigning list creation and sharing experience to improve usability by ~40% based on pilot study data.

## PUBLICATION

T. Chakraborty, Taslim Arefin Khan, and A. B. M. A. A. Islam. *Towards Devising a Low-cost and Easy-to-use Arithmetic Learning Framework for Economically Less-privileged Visually Impaired Children*. ACM TACCESS. Vol 11 Issue 4, Nov 2018.

Taslim Arefin Khan, S. Tairin, M. Naznin, Z. A. Bhuiya, and A. B. M. A. A. Islam. *Advanced Comm. in Cyber Physical Systems. “Leveraging Big Data Techniques for CPS”*, Springer, 2017.

T. Chakraborty, Taslim Arefin Khan, and A. B. M. A. A. Islam. *FLIGHT: A Low-cost Reading and Writing System for Less-Privileged Visually-Impaired People Exploiting Ink-based Braille System*. ACM CHI 2017.

T. Chakraborty, Taslim Arefin Khan, and A. B. M. A. A. Islam. *EyePen: Ease of Reading for Less-Privileged Visually-Impaired People*. ACM DEV 2016.

## SKILLS

**Research** → design thinking, experimental design, qualitative research methods, usability study, user journey mapping, A/B test, heuristics evaluation, cognitive walkthrough, statistical analysis

**Prototyping** → paper prototyping, sketch, justinmind, proto.io, powerpoint, google optimize

**Programming** → java, c++, c#, javascript, html, css, r

**Platforms/Frameworks** → android, arduino, bootstrap

**Artificial Intelligence** → machine learning, data science

## RESEARCH EXPERIENCE

### **Graduate Research Assistant** | UBC | Jan 2018 – present

Investigating how people under situational impairment can skim read a document in auditory mode (text-to-speech) in mobile context. Exploring novel interaction techniques and design ideas for creating effective and enjoyable skimming experience.

### **Graduate Research Assistant** | BUET | Oct 2015 – Aug 2017

Contributed in two major projects. (1) Contributed in designing a low-cost digital Braille reading pen. Conducted 18 months long ethnographic study to understand needs of visually impaired children in Bangladesh, co-designed reading tool, conducted usability study, and analyzed data. (2) Designed and developed an infrastructure independent system to locate victims during urban disasters in Bangladesh, requiring only victims' smartphones for localization.

## TEACHING EXPERIENCE

### **Graduate Teaching Assistant** | UBC | Sep 2018 – Dec 2018

Served as a TA in CPSC 344 Introduction to HCI course. Planned weekly goals and prepared and graded quizzes. Top contributor among six TAs in students' question-answer forum (Piazza).

### **Graduate Teaching Assistant** | UBC | Sep 2017 – Dec 2017

Served as a TA in APSC 160 Introduction to Computation course. Assisted the instructor and students during weekly lectures. Conducted weekly sessionals and graded assignments.

### **Lecturer (part-time)** | AUST | Apr 2017 – Aug 2017

Served as a part time lecturer for a semester at Ahsanullah University of Science and Technology (AUST), Bangladesh. Conducted sessionals and graded exams of Software Engineering course (Computer Science department) and Introduction to Programming course (Textile Engineering).

## PROJECT

### **Speech-based Source Code Comprehension** | CPSC 507 Software Eng. | Sep 2018 – Dec 2018

A speech-based commenting tool to help developers comprehend source code while onboarding a new project. My technical contributions were: developing speech recording module, integrating IBM's speech recognition module, and synchronize audio and visual play heads. In post-user study, we recommended six design implications. Participants on average rated 5.88/7.0 as usefulness of speech comments over text-based comments.

### **Personalized and Augmented Web History** | CPSC 554K DFP Project | Jan 2018 – May 2018

Re-finding previously visited web pages is a difficult task. We proposed a personalized web history tool that helps people to recall contextual cues associated with a web page (e.g., shared with). Using our tool, re-finding was 100% successful vs. 38% successful in baseline web search. My contributions were – literature review, defining problem space, designing and prototyping in Justinmind, conducting usability studies, and video creation.

## REFERENCE

### **Dr. Joanna McGrenere** | Professor | UBC

Supervisor | joanna@cs.ubc.ca

### **Dr. Dongwook Yoon** | Assistant Professor | UBC

Co-supervisor | yoon@cs.ubc.ca

### **Dr. A. B. M. Alim Al Islam** | Associate Professor | BUET

Supervisor | alim\_razi@cse.buet.ac.bd