

# Muhammad Bin Tahir Mir

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## EDUCATION

### LAHORE UNIVERSITY OF MANAGEMENT SCIENCES (LUMS)

#### BS IN COMPUTER SCIENCE

Grad. July 2017 | Lahore, Pakistan

Cum. GPA: 3.23

### JINNAH HIGHS SCHOOL SYSTEM

#### ADVANCED LEVEL

Grad. May 2013 | Multan, Pakistan

2 As, 1 Bs

### BEACONHOUSE SCHOOL SYSTEM

#### ORDINARY LEVEL

Grad. May 2011 | Multan, Pakistan

6 A's, 5 As

## COURSEWORK

### UNDERGRADUATE

Software Engineering  
Human Computer Interaction  
Topics in Interactive Computing  
Human Behaviour  
Cognition  
History of Modern Psychology

(Teaching Asst)

Writing and Communication

## SKILLS

### PROGRAMMING

Over 5000 lines:

• HTML • CSS • JavaScript • Python

Over 1000 lines:

• C# • C++ • Swift

Tools:

• Wordpress • Photoshop • Unity  
• Android Studio

### OTHER

• Traditional Drawing + Sketching  
• Digital Drawing + Sketching  
• Digital Painting  
• Hand-Drawn Animation  
• Video Composition + Editing  
• Public Speaking + Presentation

## EXPERIENCE

### MANO ANIMATION STUDIOS | ANIMATOR

July 2017 – Ongoing | Karachi, Pakistan

- Responsibilities include key-frame drawing, in-betweening, colouring & shading of frames for "The Glassworker".

### LUMS | RESEARCH ASSISTANT | COMPUTER VISION LAB

September 2016 – June 2017 | Lahore, Pakistan

- Helped with development of an android app for creating 3d models for objects using images taken by the phone.
- Built a desktop app to detect several cooking utensils (using CV techniques & a Kinect) on a table surface and project relevant information using a projector.

### MANO ANIMATION STUDIOS | ANIMATION INTERN

December 2016 – January 2017 | Karachi, Pakistan

- Responsibilities included key-frame drawing, in-betweening, colouring & shading of frames for "The Glassworker".

### LUMS | TEACHING ASSISTANT | COURSE: WRITING & COMMUNICATION

September 2016 – December 2016 | Lahore, Pakistan

- Checked students' assignments.
- Conducted tutorials and office hours to help students with course work.

### KOÇ UNIVERSITY | RESEARCH ASSISTANT | KUAR DESIGN LAB

June 2016 – August 2016 | Istanbul, Turkey

- Created a desktop application to recognize and track several cooking utensils in real time from a camera feed using a machine learning library
- Calibrated a camera and a projector as part of a spatial-augmented-reality-related desktop application.

## PROJECTS

### VISTLUMS | WEB APPLICATION

Developed front end for a complete web portal geared towards dealing with guest entry for LUMS.

### BABY+ | ANDROID APPLICATION

The app was geared towards assisting pregnant Pakistani women during their pregnancies. I was involved in the user research, interface design and development of this project.

### KITCHEN OF THE FUTURE | DESKTOP APPLICATION

A collaboration between Koç University's 'KUAR' lab and the 'Computer Vision Lab' at LUMS. The app made use of spatial augmented reality and computer vision techniques.

## HONOURS

- Head-Boy at 'Beaconhouse School System' Multan.
- President of the Science Society at 'Jinnah Highs School System' Multan.
- Idea selected as one of Top 5 (out of 72) at Google's 'Startup Weekend Lahore 2016'.