## Muhammad Balagamwala

Cell: 832-554-7156 mbbalagamwala@uh.edu Status: US Citizen

8888 Benning Dr. Apt# 233 Houston TX – 77031

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	Objective			
Educati	eeking a full-time employment or a	n internship in the field of Elec	etrical or Computer Engineering	
_	on Bachelor Of Science, Electrical Eng	rinaarinα		May 2017
	Jniversity of Houston	uneering		Way 2017
	GPA: 3.0			
	at Courses			
•	B1 1 1 7 1 B 1	Fall 2015	Programming Applications	Fall 2014
•	T1	Fall 2015	Microprocessors Systems	Fall 2014
Work E	Experience			
	Electrical Engineering Intern	HPE	Houston, TX	June 2016 - Present
•	Developed a tool using JavaScri	pt and C# to track items using l	· ·	
•			data acquired from TI SensorTag	
S	oftware Developer Intern	Cosine Additive	Houston, TX	Dec 2015 – June 2016
•	Developed a GUI to be used by	the customer to control the 3D	printer wirelessly; also communicate	with devices on the
	printer which includes Arduino, Smoothieboard and servo drivers.			
•	• Created the communication platform based in MySQL to allow the 3D printer to be controlled by multiple computers at the same time from anywhere in the world.			
	Electrical Engineering Co-op	CenterPoint Energy	Houston, TX	Jan 2015 – May 2015
1	Worked on projects to ensure sa		· · · · · · · · · · · · · · · · · · ·	Jan 2013 – Way 2013
•			akers, transformers and smart control	devices
Project	e ,	with fine drawings, relays, orea	akers, transformers and smart control	devices.
	senior Design Project - Follow-Me	Rot		Spring 2016
	<ul> <li>Design and develop a robot that follows a specific person and can carry weight of at least 20lbs</li> </ul>			5pmg 2010
•	Avoid stationary and moving obstacles while still following the target.			
Ī	Home Automation System Sprin			
	Developed a system using ATMega328 microcontroller to wirelessly control electrical outlets from web			
•	Developed a remote motion sensor to detect motion and send data to central system which controls light			
•	• Utilized C++ and HTML along with 433.4MHz RF transmitters, receivers and an Ethernet module			
(	Google Chrome Extension (RateMyUH) Spring 20			
•	Developed a Google Chrome extension to show RateMyProfessor.com ratings for professors on University of			
	Houston's class enrollment page			
•	<ul> <li>Developed the extension in JavaScript as well as a server-side PHP script to scrape data and store in MySQL</li> </ul>			
_	database which can be accessed by the extension.			
A	Automatic Video Downloader			Spring 2014
•	• Developed a Windows application in Visual Studio using C# to download videos from a website automatically			
<u>•</u>	The application is able to downle		ot be downloaded easily.	Fall 2012
F				
•	Designed and programmed an autonomous robot to navigate a track at speed using C language			
•	Won the first prize for being the fastest robot to navigate the track			
(	Commercial Web Development			Spring 2013
•	<ul> <li>Designed customized e-commerce websites for clients, using Wordpress and Joomla CMS</li> <li>Features included shopping cart, payment processing through Paypal, email forwarding, detailed visitor</li> </ul>			•.
•				itor
Skills	tracking using Google webmaste	er toois and social media integr	ation	
SKIIIS	Drogramming Language Cli	roCarint Cd   C MacCOI I	DUD UTMI Motlob E A	mhltr
•	Programming Language: C#, JavaScript, C++, C, MySQL, Java, PHP, HTML, Matlab, Excel, Assembly Hardware: RaspberryPI, Arduino, MSP430, Lego Mindstorms, VEX			
•	Languages: English, Urdu, Hind		VEA	
Interest		1		
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## <u>Affiliat</u>ions

- Multiroters, 3D printers, volunteering
- - Member of Scholar Enrichment Program and Muslim Student Association
  - Volunteered at Helping Hands for Relief and Development