umer**salman**

contact

USA

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fb://Umer936

programming

CSS3 & HTML5
PHP (♥ Laravel)
MySQL
JavaScript
jQuery
Java, C, C++
LaTeX (this résumé)
Python
TIBASIC
Assembly
MATLAB
LabVIEW
Git, SVN, Mercurial

operating systems

Linux
Android
OS X
iOS
Windows

software skills

SolidWorks
Burp Suite
ROS2
Eclipse
OpenCV
Android Studio
ADB/Fastboot

education

2016–Now **Electrical and Computer Engineering - Fall 2020**   The University of Texas at Austin
Tech Cores: Software Engineering & Design and Academic Enrichment
Minor: Business
Embedded Systems Lab Keyboard:
Created a USB 10-Keyless RGB Keyboard with Macro Recording using TM4C microcontroller
https://youtu.be/fSX6dDx9jvY
Entrepreneurship Senior Design (CTO):
- Built a hardware/software platform to process physiological indicators in children
  - Designed PCB with galvanic skin response sensor, heart rate sensor, and microphone for wearable
  - Built Azure/Tableau web platform for healthcare professionals to view
- Formed a business plan and presented to biomedical industry experts

extracurriculars

2017–2020 **Texas Aerial Robotics (TAR)**   The University of Texas at Austin
Founder and President
- Lead a 40 person org. to compete in the International Aerial Robotics Competition
- Build and program cutting-edge, fully autonomous quadcopters
- Use computer vision and sensors, such as LiDAR and optical flow, to target and interact with moving ground robots in a GPS-denied environment
- Research drone swarming and drone control through human voice and gestures
- Develop abilities to interact with modules on moving reference frames (boats) 2mi away

experience