umersalman

contact

24 Galleria Drive San Antonio, TX 78257 USA

(936) 463 8626

umer936@gmail.com umer936@utexas.edu umer936.com

github.com/umer936 fb://Umer936 google/+umersalman

programming

CSS3 & HTML5

PHP (♥ Laravel)
MySQL
JavaScript, CoffeeScript
jQuery
Java, C, C++
ETEX (this résumé)
Python
TIBASIC
Assembly
MATLAB
LabVIEW
Git, SVN, Mercurial

operating systems

Linux Android OS X iOS Windows

software skills

SolidWorks
Burp Suite
Eclipse
OpenCV
Android Studio
ADB/Fastboot

education

2016-Now **Electrical and Computer Engineering - May 2020**

University of Texas at Austin

University of Texas at Austin

Technical Cores: Software Engineering & Design and Academic Enrichment

Minor: Business

extracurriculars

2017-Now Texas Aerial Robotics (TAR)

ident

Founder and President

- Lead a 30 person org. to compete in the International Aerial Robotics Competition
- Build and program 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

2013–2016 FIRST Robotics Competition

Brandeis High School, TMI - The Episcopal School of Texas

Team Captain, FRC3481 and FTC6221

- Build 120 lbs robots to compete against 3,000+ teams
- Won Motorola Quality Award (x3), GM Industrial Design Award, and Delphi Excellence in Engineering Award

experience

2018 **Visa Inc.** Austin, Texas

Security Engineering Intern

- Created automated penetration testing suite using Burp Suite and Python to increase security while decreasing time in security testing stage
 - Tests Visa products & APIs for security vulnerabilities such as XSS and Clickjacking
 - Learns from cybersecurity to eliminate false positives

2017 General Dynamics Mission Systems

San Antonio, Texas

Cybersecurity Intern

- Worked on PitBull, a Multilevel Security (MLS) Linux OS based on RHEL, and Trusted Network Environment (TNE) testing tools using OpenCV and Python
 - Used by U.S. Federal Agencies
- Created PitBull Health Console for diagnosing system/network problems

2015 Parlevel Systems

San Antonio, Texas

Software Development Intern

- Worked on the development of analytical software for vending machine operators
- Developed the company's foray into micromarkets, which became a core product

projects

2012-Now Ingress (Niantic, Inc.)

Regional Moderator

- Created and manage the South Texas roster website and database
- Improved the usability of Google's web app by JavaScript bookmarklets for thousands of users

2017 Smash Bros LaunchPad

Austin, Texas

Developed in C and Assembly, adaptation of Smash Bros on a TI microcontroller Wrote LCD drivers, joystick and button inputs, and audio and vibration outputs

2015–2016 Car Diagnostics Logger

San Antonio, Texas

Raspberry Pi in my glove compartment to log my car's stats (intake temp, MPG) every 1/4 sec.