umer**salman**

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programming

CSS3 & HTML5
PHP (♥ Laravel)
MySQL
JavaScript, CoffeeScript
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 - Summer 2020**   The University of Texas at Austin
Tech Cores: Software Engineering & Design and Academic Enrichment
Minor: Business

extracurriculars

2017–Now   **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

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

2019   **National Geospacial-Intelligence Agency**   St. Louis, Missouri
Cybersecurity Intern
- Clearance: TS/SCI
- Assisted Detect and Incident Response teams
- Improved rulesets for Linux compromise detection
- Built PowerShell scripts to improve threat detection and analysis

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
  - Tool tests Visa products & APIs for vulnerabilities such as XSS and Clickjacking
  - Learns from cybersecurity team to eliminate false positives

2017   **General Dynamics Mission Systems**   San Antonio, Texas
Cybersecurity Intern
- Developed PitBull, a Multilevel Security (MLS) Linux OS based on RHEL, and Trusted Network Environment (TNE) testing tools using OpenCV and Python
  - PitBull/TNE are 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
- Wrote JavaScript bookmarklets to improve Ingress web apps for thousands of users

2015–2016   **Car Diagnostics Logger**   San Antonio, Texas
Raspberry Pi in my glove compartment to log my car's stats (intake temp, MPG) every ¼ sec.