

# umersalman

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## contact

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## programming

CSS3 & HTML5  
PHP (♥ Laravel)  
MySQL  
JavaScript, CoffeeScript  
jQuery  
Java, C++  
L<sup>A</sup>T<sub>E</sub>X (this résumé)  
Ruby, Python  
TIBASIC  
MATLAB  
LabVIEW  
Git, SVN, Mercurial

## operating systems

Linux  
Android  
OS X  
iOS  
Windows

## software skills

Basic SolidWorks  
CyberLink PowerDirector  
Eclipse  
TableAU  
Android Studio  
Paint.NET

## education

- 2016–Now **Electrical and Computer Engineering Class of 2020** University of Texas at Austin
- 2013–2016 **High School at Texas Military Institute (TMI)** TMI - The Episcopal School of Texas
- 2013 **Certification of Graduate-Level Course** Royal Holloway University of London
- Graduated an online course titled "Malicious Software and its Underground Economy: Two Sides to Every Story." Learned about traditional and mobile security threats and the ecosystem that drives that illegal, yet profitable, business

## extracurriculars

- 2016–Now **American Helicopter Society (AHS)** University of Texas at Austin
- Compete in the International Aerial Robotics Competition with our fully autonomous quadcopter with computer vision guidance system
- 2016–Now **Formula Society of Automotive Engineers (FSAE)** University of Texas at Austin
- Design, manufacture, and race a Formula One style racecar against teams from all over the world
- 2016–Now **UT Solar Vehicles Team (UTSVT)** University of Texas at Austin
- Design, build, and race solar vehicles for the American Solar Challenge and the Formula Sun Grand Prix
- 2016–Now **IEEE-Communications Society (IEEE ComSoc)** University of Texas at Austin
- Spread awareness about and prevention of software and hardware vulnerabilities
- 2015–2016 **TMI Maker Club** TMI - The Episcopal School of Texas
- Founded and manage a club where students can come together to make things or learn to make things, whether they be portable phone chargers, wood frames, or soldiering skills
- 2015–2016 **CyberPatriot** TMI - The Episcopal School of Texas
- Ranked Platinum, the highest tier, in a National cybersecurity competition funded by Northrop Grumman Corp.
- 2014–2016 **FIRST Robotics Competition** Brandeis High School
- Build 120 lbs robots to compete against more than 3,000 teams from 19 countries. Team Captain of 3481 BroncBotz, 1 of 91 BETA teams chosen for robust design, programming skills, and performance on the field. Won awards including Motorola Quality Award (x3), GM Industrial Design Award, and Delphi Excellence in Engineering Award
- 2013–2016 **FIRST Tech Challenge** TMI - The Episcopal School of Texas
- Build robots to compete against over 5,000 other teams from various countries. Team Captain of 6221 Panther Bots Alpha, ranked in the top 3% of teams worldwide. Have appeared on CBS, been recognized by city council, and awarded certificate of congratulations by mayor

## awards

- 2014–2016 **National Honors Society** TMI - The Episcopal School of Texas
- 2015 **AP Scholar with Distinction** TMI - The Episcopal School of Texas
- 2015 **National Merit Commended** TMI - The Episcopal School of Texas

## volunteering

- 2015–2016 **TeamUp! Challenge** San Antonio, Texas  
Plan and teach a science curriculum about the earth, biodiversity, and energy for local elementary schools through the San Antonio Spurs' "Silver and Black Give Back" program
- 2014–2016 **HACKERS, Inc.** San Antonio, Texas  
Teach LEGO Mindstorms robotics at a nonprofit camp for elementary and middle schoolers
- 2013 **National Museum of Nuclear Science** Albuquerque, New Mexico  
Hosted "Dynamics of Flight" exhibit and taught visitors about the history and science of everything nuclear

## experience

- 2012–Now **Ingress (Niantic, Inc.)**   
*Regional Moderator*  
Ingress is a game made by Google where the entire world is the playing field shared by 2 teams
- Created and manage the South Texas roster website and database
    - satxresist.com
  - Improved the usability of Google's web app by JavaScript bookmarklets for thousands of users
  - Manage cross-team affairs and global operations
- 2015 **Parlevel Systems** San Antonio, Texas  
*Summer Intern*
- Worked on the development of analytical software for vending machine operators
  - Developed the company's foray into micromarkets; now in use at Rackspace/Geekdom

## projects

- 2012–Now **Android** San Antonio, Texas  
Created ROMs and wireless chargers for the HTC One X and OnePlus One (adb/fastboot)
- 2016–Now **Password Requirements** Austin, Texas  
Currently writing a Chrome extension for crowdsourcing password requirement information
- 2016 **Waterslide** Boerne, Texas  
Right after graduation, my friends and I built a 12' tall waterslide in 2 days
- 2015–2016 **Car Diagnostics Logger** San Antonio, Texas  
Raspberry Pi in my glove compartment for logging my car's stats (intake temp, RPM, MPG, etc) every 1/4 second
- 2013 **Simple Source Viewer** San Antonio, Texas  
Simple, easy to use app for Windows 8, RT, 8.1, and 10 to view the source code of a webpage
- 2013 **Chromecast** San Antonio, Texas  
Discovered tools that were published on ReadWriteWeb and XDA Developers
- 2013 **CygwinHere** San Antonio, Texas  
Cygwin is a Windows mod to bridge CMD and Linux CLI. My registry tweak ports the "Open in Terminal" function to Cygwin