umersalman

contact education

24 Galleria Drive San Antonio, TX 78257

USA

2016-Now Electrical and Computer Engineering Class of 2020 2013-2016 High School at Texas Military Institute (TMI)

University of Texas at Austin TMI - The Episcopal School of Texas

2013

Certification of Graduate-Level Course

Royal Holloway University of London

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extracurriculars

2017-Now Texas Aerial Robotics (TAR)

Founded a club to compete in the International Aerial Robotics Competition with our fully autonomous quadcopter. Uses computer vision and many sensors to target and interact with moving ground robots. Ranked 2nd out of 30 teams

2015-2016 CyberPatriot

TMI - The Episcopal School of Texas

Ranked Platinum, the highest tier, in a National cybersecurity competition funded by Northrop Grumman

programming

CSS3 & HTML5 PHP (♥ Laravel) MySQL JavaScript, CoffeeScript **j**Query Java, C, C++ LATEX (this résumé) Python

TIBASIC Assembly MATLAB LabVIEW Git, SVN, Mercurial

operating

systems

Linux

Android

2013–2016 FIRST Robotics Competition & Tech Challenge

Brandeis High School, TMI - The Episcopal School of Texas

Built 120 lbs robots to compete against >3,000 teams. Team Captain of 3481 BroncBotz, 1 of 91 BETA teams chosen for robust design, programming skills, and performance on the field. Won Motorola Quality Award (x3), GM Industrial Design Award, and Delphi Excellence in Engineering Award. Also Team Captain of FTC 6221 Panther Bots, ranked in the top 3% of teams worldwide

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,

experience

2012-Now Ingress (Niantic, Inc.)

Regional Moderator

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

2017 **General Dynamics Mission Systems**

San Antonio, Texas

Cybersecurity Intern

- Developed testing tools for PitBull, a Multilevel Security (MLS) Linux Operating System based on RHEL, and Trusted Network Environment (TNE) for U.S. DoD and Federal Agencies for handling operations and information at any security level
- Created Health Console/LogViewer for network security

2015 **Parlevel Systems**

San Antonio, Texas

Summer Intern

- · Developed the company's foray into micromarkets; now in use at Rackspace/Geekdom
- Developed of analytical software for vending machine operators

OSX iOS Windows

projects

software skills

2012-Now Android

San Antonio, Texas Created ROMs and wireless chargers for the HTC One X and OnePlus One (adb/fastboot)

Basic SolidWorks Burp Suite Eclipse TableAU Android Studio

Paint.NET

2017 **Smash Bros LaunchPad**

Austin, Texas

Boerne, Texas

Developed in C and Assembly, adaptation of Smash Bros for TI LaunchPad. Wrote LCD drivers, audio output, joystick and button inputs. Wired inputs, display, audio jack, and vibration motor

2016 Waterslide

Right after graduation, my friends and I built a 12' tall waterslide in 2 days