

# Andrew Eric Johnson

## Software Engineer

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**Education |** Texas A&M University, College Station, TX  
B.S. Computer Science, Minor Business Administration

**Languages |** English, German

**Skills |** **Programming Languages**  
C/C++, C#, VB.NET, JavaScript, TypeScript, Script#, Objective-C, CSS, HTML 5, T-SQL

### Technologies

SharePoint, Knockout.js, Node.js, D3.js, Jekyll, Git, TFS, SD, SVN, ASP.NET, MVC.NET, Xamarin, MongoDB, SQL Server/MySQL, Linux/Ubuntu, Windows, Windows Server, Amazon Web Services

### Organizational

Recruiting, Public Speaking, Mentoring

## Work |

### Microsoft

#### Security Software Development Engineer II, Azure Red Team

July 2014 – Present

- Information on The Azure Red Team is available in our [white paper](http://bit.ly/1PlefbU) (<http://bit.ly/1PlefbU>)
- Improving Azure security by conducting penetration tests against Production Azure infrastructure and services.
- Reinforcing the “Assume Breach” mindset across all Azure services by emulating Advanced Persistent Threats.
- Developing attack oriented tools that scale the breadth of Azure.
- Presented at BlueHat (Microsoft’s Internal Security Conference) and other internal security conferences.
- Working with the Blue Team post breach to identify necessary improvements in prevention, detection and response from Advanced Persistent Threats.
- Completed the Offensive Security Certified Expert course.
- The effectiveness of the security team systems and procedures is evident in the public’s reaction to Microsoft’s security posture. <http://nyti.ms/1j6pSaR>

#### Software Development Engineer in Test II, Office 365

June 2010 – July 2014

- Features (Designed, Implemented, Tested)
  - External Data Connections
  - Access 2013 Web Apps
  - Access Apps for Office
  - Click-to-Run
- Security Driver for the team. Advised and pen tested every feature against web based threats – XSS, XSRF, SQL Injection.
- Shipped Microsoft Access 2010, 2013, and worked on Access “Next”.
- Helped move Access from a client database to a web based app creation tool.
- Created scribe – a test automation tool that creates automated tests from recording user actions.
- Member of Agile committee that implemented Agile across the Access team.
- Speaker at TechReady, MVP summits, and various other conferences.
  - <https://youtu.be/QUdi9XHmG6w>, <https://youtu.be/keLABD0XMs>
- Rewrote automation framework for the web and enabled targeting our JavaScript based runtime in tests.
- Recruited, spoke, and interviewed at Texas A&M in the spring of 2011, 2012, 2013.

#### Continental Airlines (Now United Airlines)

Summer 2009

#### Web Development Intern

- Designed and implemented US e-Verify system for HR Department.
- Worked with Homeland Security and Social Security Administration to verify employee work eligibility.
- Developed and maintained custom .NET web controls for employee travel reservation system.

## Projects |

### Hurleyisms.com

Co-Designed and implement Hurleyisms.com for a client. Hurleyism’s is a database of 1000+ hilarious lines to drop on your photography subjects.

### Unsafe Spaces Game

#### Unsafespacesgame.com

A social multiplatform game that uses wits and comedy. Now available on the App Store and Play Store