

# ROBERT BRENNAN

**Location:** Santa Monica, CA  
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**Versatile**— A Senior Web Developer & Electronics Engineer, versatile problem solver experienced across several industries.

## TECHNICAL SKILLS

**Software Technologies**    HTML5, CSS3, JavaScript, C/C++, .NET, Mac, Linux, PC, Visual Studio, Git, SVN, JIRA, Agile/SCRUM

## PROFESSIONAL EXPERIENCE

**HEAD OF INTEGRATIONS / WEB DEVELOPMENT LEAD** - (October 2013 – March 2014)

**X-TEAM (at 20<sup>th</sup> Century Fox)** – Century City, CA

- The Integrations division of X-Team leading some of the world's best developers who are skilled in creating social media experiences and visualizations; Code social media grids/walls, curated commenting, real-time social interactions into partner sites & seamless integrations of 3rd party authorization platforms. <http://x-team.com/>
- Development Team Lead managing a team of 10 developers to redesign FOX's American Idol website Season 13
- Point of contact between the Web Development team & FOX management.
- Managed source control GIT Merging, Sprint planning & Tech Ops deploy coordination.

**Project:**    <http://x-team.com/2014/01/x-team-launches-new-american-idol-season-13-website/>

**Link:**       <http://www.americanidol.com/>

**Tech:**        PHP, Zend, JavaScript, SASS, Grunt, & MVC\*, SVN, GIT, WordPress, Vagrant

**SENIOR WEB APPLICATIONS ENGINEER**    (September 2012 – September 2013)

**DISNEY INTERACTIVE** – North Hollywood & Glendale, CA

- Frontend web development, Enterprise-level. Maintain, optimize, design, & configure new & existing sites.
- Coordinate site deployments with vendors & managers and assist vendors to ensure compliance with Disney's coding/design best practices for content delivery (CDN) source control.
- Analytics & SEO: Configure DoubleClick DFP Ads, link tracking, A/B testing when required.

**Tech:**        HTML5, CSS3, JavaScript, jQuery, Backbone, PHP, Perforce, GIT, WordPress

## CONTRACTING POSITIONS:

**Frontend / UI Web Development for the following companies:**

**BLACK BOX CREATIVE GROUP** – Hollywood, CA, (September 2012)

**Web Engineer** - Facebook Invite app for the Warner Brothers movie, "Trouble with the Curve". Featured interactive calendar, gallery & user message with custom sharing options: FB Share, an HTML email, or calendar ICS file.

**Project:**    [https://www.facebook.com/TroubleWithTheCurve/app\\_441834125861834](https://www.facebook.com/TroubleWithTheCurve/app_441834125861834)

**Tech:**        HTML, CSS, jQuery, PHP, Facebook API

**BOINGO WIRELESS** – Westwood, CA (May 2012 – August 2012)

**Web Engineer** - Translate Photoshop PSDs into HTML & support rapidly changing marketing campaigns.

**Tech:**        Adobe Test & Target /Omniure, ASP.NET, JavaScript

**TRAILER PARK, INC.** – Hollywood, CA (February 2012 – April 2012)

**JavaScript Web Developer**- Coded an interactive Smart TV media sharing web application as part of a multi-platform social media release across Yahoo TV, Google TV, Web, & Mobile, for Warner Brothers. Transform PSDs into HTML/JS integrated into a new API REST backend service.

**Project:**    [www.OutMyWindow.com](http://www.OutMyWindow.com)

**Link:**        <http://www.trailerpark.com/work/itv-out-my-window-yahoo-tv-app.aspx>

**Tech:**        Linux, JavaScript, HTML, CSS, AJAX, Agile/SCRUM, Yahoo CTV JS platform

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## **ENGINEERING POSITIONS**

**PHOTO-SONICS, INC.** – Burbank, CA, (October 2010 – November 2011)

### **SYSTEMS PROJECT ENGINEER**

Technical writing: User manuals, Test Procedures, for hardware, software, & optics of military tracking systems designed to measure the performance of hypervelocity missiles. Systems verification on-site at USA weapons test ranges.

**TELEDYNE JUDSON TECHNOLOGIES** - Montgomeryville, PA, (July 2004 – July 2010)

### **SOFTWARE & DESIGN ENGINEER**

Sole Software Engineer, R&D Engineering & manufacturing. Electronics design and testing of infrared materials (InSb, InGaAs, MCT), focal plane arrays, & cameras, cryogenic & thermo-electric coolers.

### **VARIOUS PROJECTS:**

#### **Infrared Camera Software**

Designed the software (UX/UI, embedded control, & SDK) for several Infrared camera systems (SWIR, MWIR, and LWIR.)

- False color, auto-gain (AGC), & 2-point Non-Uniformity Correction video algorithms. (**LabVIEW, C++, FPGAs, ARM**)

#### **Camera Test Lab Software**

Designed automated software routines for performance testing and evaluation of new camera sensor designs.

- Video & Noise testing (NETD, NEP), Sharpness (MTF), Image Correction (NUC, Bad Pixel Replacement)

#### **Standard Missile SM-2 Test Software**

Designed an automated electro-optic system to test the Infrared seeker component of the US Navy's SM-2 Missile.

- Increased testing capability by 500% leading to a \$5 million contract & multiple "Supplier of the Year" awards. (**VB.NET, SQL Server**)

#### **Focused Optical "SpotScan" Measurement Software**

Designed the software & data acquisition for a specialized optical measurement station. 3-axis linear stage driven with sub-micron measurement accuracies using a focused IR source to calculate effective area (**VB.NET, LabVIEW, SQL**)

**PURITAN PRODUCTS, Bethlehem, PA,** (Jan 2001 – Sept 2001)

### **NETWORKING CONSULTANT/COMPUTER REPAIR**

- Network Administration and PC and Server support for a small business network.

**LUCENT TECHNOLOGIES / AGERE SYSTEMS, Breinigsville, PA,** (August 1998 – November 2002)

### **ELECTRONICS & PHOTONICS TECHNICIAN**

- Optical dicing polishing of semiconductors for waveguide optical DWDM products (LiNbO2 and Si)

## **EDUCATION**

**The Pennsylvania College of Technology (Penn State Affiliate), Williamsport, PA**

**BSEET** - Bachelor of Science Electronics Engineering Technology

**AAS** - Associate Applied Science, Electronics Engineering

**Lehigh Carbon Community College, Schnecksville, PA**

**AAS**, Computer Science, *Not Completed* – Programming, OOP, Database Design

**Lehigh University, Bethlehem, PA**

**MSEE** - Master's program, Electrical Engineering