**ROBERT BRENNAN**

**Location:** Santa Monica, CA

**Contact:** 323-203-6722

**Email:** 1bobbrennan@gmail.com

**Versatile**— A Senior Web Developer & Electronics Engineer, versatile problem solver experienced across several industries.

**TECHNICAL SKILLS**

**Programming**: HTML5, CSS3, JavaScript, PHP, C/C++, LabVIEW, FPGAs, .NET.

**Frameworks / Libraries**: jQuery, Zend, WordPress, Drupal, Grunt/Bower workflows, NodeJS, Backbone & other MVC JS frameworks, Sass, LESS.

**Databases/Servers**: MySQL, SQL Server, Apache, NGINX, Linux, Vagrant

**Software**: Jira, Confluence, Visual Studio, Git /Github, TeamForge, Subversion

**PROFESSIONAL EXPERIENCE**

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

**X-TEAM (at 20th Century Fox)** – Century City, CA

* Led a specialized division of X-Team 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/](http://x-team.com/livefyre/)
* 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>

**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 /Omniture, 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.

**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**

**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.

**Tech:** **Intranet/Web Data Reporting (HTML, JS, CSS),****LabVIEW,** **C++, FPGAs, ARM & 8051 Microprocessors**

**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)

**Tech:** **.NET, ADO.NET, Gig-Ethernet, SQL Server, HTML/CSS for Intranet report generation**

**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.

**Focused Optical “SpotScan” Measurement Software**

Designed the software & data acquisition for an optical measurement station using a focused IR source to calculate effective area to sub-micron accuracies.

**Tech:** **Web-based Instrument Control & Data Acquisition: HTML, JavaScript, CSS, 3rd Party I/O APIs**

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

**NETWORKING CONSULTANT/COMPUTER REPAIR**

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

**Tech: Wrote a SOAP based web service utility app to automate daily server backups; HTML, CSS.**

**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