

RYAN WILLIAM MCKEEL

CONTACT INFORMATION AVAILABLE ON REQUEST AT RYANMCKEEL.COM/CONTACT

EDUCATION

Columbia University, New York City, NY AUG 2004 – MAY 2006
Research-applicable graduate coursework in Computer Science, Vision and Graphics
Rensselaer Polytechnic Institute, Troy, NY AUG 2001 – MAY 2004
BS in Information Technology, concentration in Entrepreneurship
Graduated Magna Cum Laude in 3 years, 3.88 GPA, Dean's List, ΓNH IT Honors Society
William J. Palmer High School, Colorado Springs, CO MAY 2001
International Baccalaureate Diploma recipient, GPA of 4.65, Class Ranking: 15 of 431

PROFESSIONAL EXPERIENCE

Digital Assets Web Application Developer, NREL APR 2009 – CURRENT

The National Renewable Energy Laboratory (NREL) is the nation's primary laboratory for renewable energy and energy efficiency research and development (R&D).

- Created innovative way to rapidly browse gadgets on VIBE using jQuery and Drupal
- Created Drupal instance of VIBE from Liferay utilizing OpenSocial gadget standards
- Modified VIBE's Liferay core to meet needs of VIBE customers
- Applied application development & design skill to create visualizations, user interfaces and a logo
- Gained domain knowledge of renewable energy and energy efficiency
- Applied new techniques and technologies to address VIBE's challenges

IT Project Specialist, Global Action FEB 2008 – MAR 2009

Global Action is a non-profit with more than 60 employees worldwide. Global Action is a faith-based organization that meets needs throughout the world through its national partnerships and worldwide networks.

- Utilized Liferay open source application to create enterprise Java portal website
- Created current design of corporate website in Photoshop, then created deployable Liferay theme
- Created PHP portals in Liferay, such as a YouTube XML feed processor to dynamically display videos and dynamically creating shopping cart elements from an array of items
- Researched and analyzed various Java engine bundles to choose best setup for Liferay on Linux server: JBoss, Tomcat, Jetty, Glassfish
- Evaluated Drupal and Expression Engine as potential portal solutions
- Project analyst for fundraising, donor management and constituent relationship applications

Systems Engineer and Technical Consultant, InSolutions, Inc. MAR 2007 – FEB 2008

InSolutions, Inc. is an IT services organization focusing on small and mid-sized businesses. With over 100 customers, InSolutions engineers meet customer needs using a broad range of technologies, including LAN/WAN, security, servers, desktop support, web and wireless solutions.

- Technical solutions consultant for small to medium-sized businesses
- Modified Drupal to provide solutions for multiple customers using custom PHP modules
 - Met business need for employee testing by modifying PHP survey portlet and providing dynamic image generation for employee training certificates
- Advanced the technology offerings of InSolutions while solving a broad range of technical issues
- Played critical role in business operations, to include sales for orders up to \$130K, customer relations management, technology research and process improvements

Air Force Research Laboratory, Information Directorate AUG 2004 – SEPT 2006

AFRL's Information Directorate's goal is to lead the discovery, development, and integration of affordable warfighting information technologies for our air, space and cyber force. AFRL has numerous systems and software engineers tackling a broad range of current and projected warfighting needs.

Software Engineer, Joint Battlespace Infosphere (JBI)

Modified open source graphing application to create a user-friendly dynamic visualization of server connections
Contributed to AFRL's publish-subscribe-query research approach to information management
Lab Deputy Program Manager, DARPA COORDINATORS
Assistant Program Manager for \$40 million project; technical mentor to three students
Created innovative glove-based interaction technique for real-time fielded gesture recognition
Augmented reality / virtual reality research & prototyping
Junior Force Council President
Elected to represent 120+ junior employees and lead a board of 9 colleagues
Conducted JFC business with national AFRL directorates and top-level SES employees

McKeel Ventures

MAY 1999 – CURRENT

In 1999, Ryan McKeel founded a technology consulting company to address small to medium-size business needs for online communication, marketing and web applications. Over 10 years, Ryan has excelled in business and technical savvy through the creation of innovative, cost-effective solutions to fit each customer's requirements.

Created 60+ web solutions, over 40 of which utilize PHP and MySQL
Converted custom 2,500+ product database into editable PHP/MySQL website with osCommerce-based shopping cart for customer quotes
Created AI chatbots and web forms using Perl scripting and APIs found in the Perl Package Manager
Utilized Javascript on multiple websites to simplify functions for end users of web forms

COMPUTER SKILLS

Highly skilled computer programmer and analyst

Primary capability (3-10+ years) in Java, C++, PHP, SQL databases, HTML, Adobe Suite

Secondary capability (1-3 years) in ASP, Perl, XML, JavaScript, Lisp

Skilled use of Eclipse IDE, Microsoft Visual Studio .NET 2003 IDE, Microsoft Office

Knowledge and practice with object-oriented, SOA, waterfall, spiral and other development methodologies

Detail-oriented coder and thorough documenter

CLEARANCE

SECRET security clearance obtained as DoD employee, inactive since August 2008.

RELEVANT COURSEWORK

Technical

Computer Vision, Visual Databases, Pixel Processing, Computer Animation – Columbia University

Computer Science I & II, Computer Organization, Data Structures and Algorithms, DB Systems, Network

Security – Rensselaer Polytechnic Institute

Ethical Hacker training course (CEH), enterprise software engineering and design courses

Business and non-technical

Human resources II, Managerial Finance, Marketing, Accounting for Decision Making, additional

management and graphic design classes – Rensselaer Polytechnic Institute

The following lists PHP web programming, design and hosting performed by Ryan McKeel.

- [AssistanceForCollege.com](#) (PHP, Drupal, Design, Hosting)
- ATM Systems (PHP Custom application)
- Bell/Morrison Fencing and Decks (MS Frontpage)
- BugsByNature (PHP, Drupal, Design, Hosting)
- [CharlotteWire.com](#) (PHP Custom Programming, osCommerce, Extensive product database conversion)
- CIDefense.org (PHP, Drupal, Design, Hosting)
- Cornerstone Community Church (Consulting, Hosting)
- CrazyThink
- Dance-Registrations.com
- DentalArtsCenterPC.com (PHP, Drupal, Design, Hosting)
- Divinity Music Group (Self-created CMS)
- Enrich Homeschooling Group, North Carolina (PHP, Drupal, CiviCRM)
- [GetStymied.com](#) (PHP, Drupal, Design, Hosting)
- [Global Action](#) (Liferay, PHP, Portlets, Design, Consulting, Maintenance)
- [HatchBag.com](#) (PHP Custom Programming)
- IEEE-SSCI.org (PHP, Drupal, Design, Hosting) – website for three IEEE conferences
- InTouch Management (PHP, Drupal, ASP, Design) – online project management startup business
- Moonstone Music (PHP, Custom CMS)
- Omega Systems, Inc. (PHP, Drupal, Design, Hosting) – completed main site overhaul and two new Drupal websites while an employee at InSolutions, Inc.
- PineBox Fine Woodworking
- PositiveQ102.com (Design) – Large radio station, website design no longer being used
- [PotteryTalks.com](#) (PHP, Custom CMS) – lectures on pre-Columbian pottery
- The [Rensselaer Polytechnic](#) (PHP, Custom CMS) – College newspaper, worked with coding & text content
- RPEye.com (PHP, Drupal, Custom portlets, Design) – College portal
- [RyanMcKeel.com](#) (PHP, Drupal, Design, Hosting) – personal website
- ServantHosting
- [SJCoCurricular.org](#) (PHP programming modifications and database maintenance, Hosting)
- Sky-Wave Satellite (MS FrontPage)
- SpringsofLife.org (PHP custom programming, Hosting)
- StudentQuest.org (PHP, Custom CMS, Design, Hosting) – International leadership development program, site no longer online
- StupidComedy.com (PHP, Custom CMS, Flash, Design, Hosting) – email list & comedy website; website no longer owned
- SuperBabble (PHP, Drupal, Wiki, Design, Hosting)
- [TaxSaver.us](#) (PHP, Drupal, Design, Hosting) – CPA website design, client control over content and hosting
- TheMcKeels website (Hosting)
- Young Life, Capital District (PHP, Custom CMS, Design, Hosting) – Website for local non-profit organization
- WeBelieveJesus (PHP, Drupal, Design, Hosting)
- Wireless and Wired Networking (PHP, Custom CMS, Design, Hosting)
- Women United in Ministry (Consulting)
- Zach Gross Photography (Hosting)