

Objective To obtain a full-time position or freelance/contractual work in the field of web/software design and development

Education Penn State University, University Park, PA
Bachelor's Degree in Information Sciences and Technology
Graduated May, 2009
Cumulative GPA: 3.88

Experience **Jiggzy.com | Independent Designer / Developer | 2007 - 2010**

- * Programming interactive games and applications
- * Designing and developing highly dynamic websites
- * Modeling and integrating complex database systems

----- **Project: NFL Rush Zone Flash Games**

Technologies: Flash/Actionscript (2, 3), PHP, MySQL

Role: Working with design docs, assembling and animating assets, developing object-oriented (Flash) game logic/intelligence, integrating with the NFL Rush Zone's (PHP/MySQL) back-end scoring and tracking engines

----- **Project: NASCAR's "The King & Kasey" Sweepstakes**

Technologies: PHP, MySQL, HTML/CSS, Javascript, Flash/Actionscript (3)

Role: Modeling and implementing a relational (MySQL) database, developing a secure (PHP) back-end to facilitate sweepstakes rules and business functions, modifying (HTML/CSS) front-end code, developing a racing-themed (Flash) game and coordinating its behavior with the aforementioned back-end, creating an administrative control panel and reporting system

----- **Project: Sesame Street English Learning System**

Technologies: Flash/Actionscript (2, 3), AIR, PHP, MySQL, XML

Role: Consulting with Sesame Workshop creative team, planning the development of a large-scale Flash/AIR-based learning system that communicates with a (PHP/MySQL) back-end to send and receive educational content across networks and allows users to download media to their local machines, designing and developing new (Flash) games, assisting in the migration of existing (Flash) games to Actionscript 3

Experience (Continued)

----- **Project: Minto Communities Website Components**

Technologies: Flash/Actionscript (3), XML

Role: Designing interfaces and developing XML-driven, Flash-based components for Minto's website, including 1) multimedia rotators for displaying external images, videos, and Flash content, 2) interactive maps that allow users to discover and research luxury housing communities in the Florida area, and 3) text marquees to give administrators the power to easily modify promotional content of the site while maintaining the integrity of its design

----- **Project: Deal-A-Day Online Website**

Technologies: PHP, MySQL, HTML/CSS, Javascript

Role: Modeling and implementing a relational (MySQL) database, developing a secure (PHP) back-end, which included integration with Authorize.net (a popular e-commerce service) and a complex set of scripts to automate the distribution of digital currency (DADO Dollars), creating an extensive reporting system to track information about users, subscriptions, and revenue, developing a control panel to allow administrators to easily set values and rules for daily deals

----- **Project: Family Dollar's 50 Days of Giveaways**

Technologies: PHP, MySQL, HTML/CSS, Javascript, Flash/Actionscript (3)

Role: Modeling and implementing a relational (MySQL) database, developing a secure (PHP) back-end to facilitate sweepstakes rules and business functions, modifying (HTML/CSS) front-end code, developing a shopping-themed (Flash) game and coordinating its behavior with the aforementioned back-end, creating an administrative control panel and reporting system

----- **Project: Personal File Distribution System**

Technologies: Flash/Actionscript (3), AIR, PHP, XML

Role: Designing interfaces, programming a secure (PHP/XML) back-end, and developing a (Flash/AIR) application to facilitate file-sharing and collaboration between small groups of users, allowing them to download files from and to upload files to the server, developing extensive tracking and reporting features for monitoring all transfers over the network

----- **Project: Centre County Community Help Center's Internal Website**

Technologies: PHP, MySQL, HTML/CSS, Javascript

Role: Designing interfaces, coding and styling the website's (HTML/CSS) front-end, programming highly interactive Javascript functionalities, modeling and implementing a relational (MySQL) database, developing a secure (PHP) back-end for an internal website that allows administrators to coordinate schedules and efficiently insert, retrieve, and modify information about clients, cases, and affiliated agencies

----- **Project: University of California's Psychology Experiments**

Technologies: Actionscript (2), PHP, MySQL

Role: Designing interfaces and developing Flash-based software for multiple psychology experiments, which required following very specific guidelines and integrating with a (PHP) back-end to record data collected during the experiments

Experience (Continued)

FULLSIX | Flash / Web Developer | 2009 - 2010

- * Developing mini-sites, YouTube gadgets, and custom applications
- * Updating and maintaining high-profile corporate websites
- * Acting as technical liaison and advisor

----- **Project: BIC Shavers YouTube Mini-Site**

Technologies: Flash/Actionscript (3), XML, Javascript

Role: Working with design docs, assembling and animating various assets, developing a media-rich, XML-driven, object-oriented (Flash) mini-site and integrating it into a custom YouTube channel, implementing Google Analytics tracking

----- **Project: Coke's "Say Yes to Summer" Facebook Intro**

Technologies: Flash/Actionscript (3), FBML

Role: Working with design docs, assembling assets, choreographing and programming a complex, quasi-three-dimensional (Flash) animation, integrating into Facebook via FBML

----- **Project: Russell Research Survey Interface**

Technologies: Flash/Actionscript (3), XML, PHP, Javascript

Role: Developing a Flash interface to 1) request XML from a sophisticated survey engine, 2) interpret the nature and values of questions received, 3) reconstruct an interactive and media-rich version of each survey within the Flash application, 4) record users' responses and form them into XML responses that can be understood by the survey engine, creating logic within the application to allow administrators to easily manage a wide array of settings and variables by modifying a (XML) config file, developing and integrating a custom logging system to give survey developers information about the values being passed into and out of the Flash interface

----- **Project: Diet Coke's "Love It Light" Facebook Intro**

Technologies: Flash/Actionscript (3), XML, Javascript

Role: Working with design docs, assembling assets, choreographing and programming a medley of streaming videos, (Flash) animations, and voiceovers, integrating into Facebook via FBML

----- **Project: L'Oreal Professionnel's Salon Locator**

Technologies: Javascript, HTML/CSS, .NET

Role: Localizing, updating, and adding features to a series of javascript-powered salon locators, modifying database content using L'Oreal's (.NET) administrative tools

----- **Project: Redken's Style Connection Website**

Technologies: Flash/Actionscript (3), XML, Javascript, HTML/CSS

Role: Localizing, updating, and adding features to Redken's javascript-intensive corporate website, animating and developing XML-driven (Flash) banners, modifying content using L'Oreal's (.NET) administrative tools

Experience (Continued)

The Vanguard Group | Java / Visual Basic Developer | 2008

- * Expanding the functionality of a multi-faceted desktop application
- * Converting existing Visual Basic applications to the .NET framework
- * Collaborating with agile-oriented development team

Mifflin County School District | Computer Technician | 2006

- * Installing new software and replacing defective hardware
- * Updating network policies and maintaining anti-virus systems
- * Troubleshooting miscellaneous computer and printer problems

Skills

Programming

Actionscript 2, 3
ASP, .NET *
Flex
HTML/CSS
Java/JSP
Javascript/AJAX
MVC Principles
Object-Oriented Principles
(Abstraction, Encapsulation,
Inheritance, Polymorphism)
PHP, MySQL
SVN/Version Control
Tween Libraries
(TweenLite/Max, Tweener,
GTweeny, ByteTween)
XML

Media

After Effects*
Audition
Flash
Illustrator*
Maya*
Photoshop
Premiere*
ProTools
ScreenFlow
Soundbooth

Business

Analysis
Communication
Creative Thinking
Leadership
Organization
Problem-solving
Teamwork
Writing

*denotes technologies with which I have comparatively little experience

References

Available upon request.