

# Tim Jarrett :: Web Developer

**QUALIFICATIONS** Well rounded professional web application developer with more than five years of experience developing secure, cross-platform, and standards compliant web-based applications using a variety of technologies as well as installing, administering, and maintaining LAMP based web server.

Proficient in the following technologies, languages, and tools:

- Unix/Linux
- Apache
- PHP4/PHP5
- MySQL4/MySQL5
- Javascript (DHTML/AJAX/Prototype)
- XHTML (no WYSIWYG required)
- CSS
- Subversion
- Object Oriented Programming
- Database Normalization
- Model-View-Controller Architecture

## **EXPERIENCE** Johns Hopkins University – Engineering Programs for Professionals

Elkridge, MD

November 2005 – Present

*Web Development Specialist*

The Johns Hopkins University (JHU) Engineering Programs for Professionals (EPP) is one of the largest part-time engineering graduate schools in the nation. *Duties include:* maintaining the EPP website and developing, documenting, and maintaining custom web applications.

- Implemented a new site architecture and page design selected by the Web Committee. Coded new site in valid XHTML and CSS. Utilized Model-View-Controller design pattern which shortened URLs and made content management more efficient.
- Developed an object oriented PHP Framework to automate and simplify tasks such as: querying and modifying the database, performing HTTP requests, handling and formatting dates, generating plain-text and html email, assisting with templating, validating forms, generating reports, etc.
- Worked with the Admission Department to move the student program plan process online. The new forms allow students to retrieve and modify program plans that they have already submitted. Administrative area makes it easy for advisers to review a student's entire program plan history.
- Worked with the APL Education Office to develop a C#.NET application that takes as input three Excel files generated by Class Climate (student opinion questionnaire scanner and report compiler) and outputs a formatted report the provides additional statistical information (such as average score per question per class).

## **Active Media Architects**

St. Clair Shores, MI

March 2004 – November 2005

*Director of Web Application Development*

Active Media Architects is a web design and development firm specializing in providing the easy-to-use Site Reign Suite of web applications as well as performing custom web design and development. *Duties included:* working with clients and project managers to gather requirements, preparing project timelines and cost estimates, directing a team of programmers and designers, and developing web applications.

- Installed LAMP web server and high-speed Windows 2000 NAS for commercial sound effects company. Converted flat FileMaker Pro database into normalized MySQL database. Developed method for securely allowing limited number of downloads of purchased music. Developed flash-based player capable of retrieving and playing demo.
- Worked with project manager to gather requirements, plan, and develop a site for a financial news analysis website. Developed means of securely storing and re-billing credit cards for subscription service. Used PHP SAJAX library to build streaming news pages that could update without refreshing the page in the browser.

- Built a search tool for an acupuncture resources site which queries a MySQL database and returns all results within a particular distance from a given zip code. Converted previous website from ASP and MS SQL Server – including normalizing database and enhancing security of user information stored in the database.

### **University of Michigan – Housing Web Services**

Ann Arbor, MI

September 2000 – April 2004

*Computer Consultant III (Web Developer)*

The University of Michigan Housing Department is the sixth largest campus housing system in the nation. *Duties included:* ensuring timeliness and accuracy of the website, working with other departments and content providers to automate content generation or maintenance or to develop additional site functionality.

- Planned and developed a movie scheduling and reporting tool for the Residence Hall Association RHA. The scheduling functionality helped RHA meet their scheduling deadlines and the reporting tool reduced the monthly workload for the Web Services office.
- Collaborated with the Residential Dining Services (RDS) to develop and implement a process for extracting menu schedules and menu items (including nutrition information) from a proprietary database and displaying the data on the housing website. Designed, developed, and documented an administrative system for uploading menu data, modifying the schedule, and providing extra information (such as special hours) in the schedule. Automating the dining schedule, saved both the RDS and the Web Services Office several hours each week.
- Designed and developed a Flash-based map of family housing. Using the mouse or available navigation buttons, a user could zoom in and out, drag the map to view different area, and click on building on the map to get additional information about that building as well as a virtual tour.

**EDUCATION** **University of Michigan, Ann Arbor** :: Fall 1998 – Spring 2002  
Bachelors of Arts – Political Science

**Johns Hopkins University, Baltimore** :: Summer 2006 - Present  
Pursuing a Masters of Science Computer Science

### **TECHNICAL SKILLS**

#### **OS**

- Windows 2000/XP/2003
- Mac OS X
- GNU/Linux
- Solaris

#### **Databases**

- MySQL
- Microsoft Access
- Oracle

#### **Web Servers**

- Apache
- IIS

#### **Graphic Design**

- Adobe Photoshop
- Adobe Flash

#### **Languages**

- PHP4/PHP5
- Javascript (AJAX/DHTML)
- Java
- C#.NET
- VB.NET
- JSP
- ASP

#### **Web Technologies**

- XHTML
- XML
- CSS

#### **Office Tools**

- Word
- Excel
- PowerPoint

#### **Source Versioning**

- Subversion