# Brad Mason

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**Objective:**   To obtain a position in the software engineering field, with particular interest in web applications, mobile apps, and game programming.

**Education:**   **Penn State Erie, The Behrend College**
Attended from September 2006 to May 2011 for a degree in Computer Science

**Work Experience:**   **Software Engineer**
Acatar
February 2013 – Present
- Worked with a small team to design and implement an online learning platform from the ground up. Wore many different hats, worked on various projects and modules from the database back-end, and mid-tier all the way up to the front-end
- Learned how to organize and optimize code for larger-scale systems
- Used MVC to separate data models, actions & logic, and UI elements
- Utilized MVVM architecture to deliver JSON to the front-end and display it using Knockout.js
- Helped prototype new version of platform built on Node.js

**Front-end Web Developer**
KIT Solutions, LLC
August 2012 – February 2013
- Debugged and fixed GUI issues in HTML, CSS, and JavaScript
- Wrote JavaScript to improve the user experience and increase interactivity
- Restructured legacy HTML to improve layout, helped introduce SASS to the project

**Software Engineering Intern**
FMC Technologies, Inc.
February 2010 – May 2012
- Designed and implemented a web front-end for their next-gen product, using PHP, MySQL, Apache, HTML/CSS, XML, and JavaScript
- Prototyped mobile applications using the Android SDK
- Maintained legacy C/C++ programs and tools
- Built prototype systems using small form-factor Linux environments
- Ran software tests and recorded bugs

**Projects:**   **Student course management and scheduling web app (Spring 2012)**
- Designed and implemented by myself and three fellow Computer Science students
- Utilized Facebook API for user login and AJAX to minimize page reloads
- Implemented user sessions, stored data in a MySQL database
- Built using PHP, MySQL, HTML/CSS, and JavaScript

**Scheduling and calendar application (Fall 2010)**
- Built by team of myself and two fellow Computer Science students using Java
- Able to store and retrieve saved events
- Multi-user, each user account had own name and password
- Stored user settings and events to an XML settings file

**Programming Languages and Skills:**
- C# & ASP.NET, Node.js, JavaScript/ jQuery, HTML/CSS, PHP, C/C++, Java
- Visual Studio, Netbeans, Eclipse, Powershell, Bash, Adobe Photoshop
- Windows, OS X, Linux

*References available upon request*