Brad Mason

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Objective: To obtain a position in the software engineering field, with particular interest in user interface design, mobile applications, game programming, graphics, data visualization, and multi-touch computer interaction.

Education:

Penn State Erie, The Behrend College
Expected to graduate in May 2012
- Bachelor of Science in Computer Science
- Minor Management Information Systems

Work Experience:

Software Engineering Intern
FMC Technologies, Inc.
February 2010 – Present
- Built web applications using JavaScript, HTML, and CSS
- Built prototype Android applications
- Maintained legacy C/C++ programs
- Ran software tests, recorded bugs

Student Consultant
Behrend Computer Center
January 2009 – February 2010
- Fixed problems with other student's computers
- Answered questions regarding lab computers
- Elevated requests to supervisors
- Repaired and refilled printers

Projects:

Scheduling and calendar application
- Built by team of myself and two fellow Computer Science students
- Able to store and retrieve saved events
- Multi-user, each user account had own name and password
- Stored user settings and events to a settings file

Simple social networking site
- Used cookies to log users in and remember user between sessions
- User's profile data stored and retrieved from MySQL database
- Passwords stored as a salted hash code
- Data entered in fields is sanitized before being entered into database
- Supported uploading of profile pictures

3D ray tracing application
- Able to render simple 3d scenes
- Wrote result to a bitmap file

Programming Languages and Skills:
- C/C++, C#, Java, PHP, Python, HTML, XHTML, CSS, Javascript, Flash
- Visual Studio, Netbeans, Adobe Photoshop, Microsoft Office
- Windows, OS X, Linux

References available upon request