ZACHARY M. BUSH

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JOB OBJECTIVE

Software Engineering Intern

EDUCATION

UC Berkeley, Berkeley, CA   Technical GPA: 3.8

Sierra College, Rocklin, CA   Technical GPA: 4.0
                                                            Total GPA: 3.922

EXPERIENCE

Engineering Intern   Meraki, inc.   May 21, 2012 - August 21, 2012
                             San Fransisco, CA
Various projects for large clients.

Software Consultant   Berkeley Simulation Software   December 2008-Present
                             Berkeley, CA
Rewrote company website. (berkeleysimulation.com)
Various side projects to add to company's primary product

Webmaster   Indowsway Software   October 2008-Present
                             Auburn, CA
Designed website (recipehawk.com), managed the database and worked on a website parsing tool to
find recipes in websites.

Math Tutor   Sierra College Math Center   January 2011-May 2011
                             Rocklin, CA
Assisted students in the math center on math topics ranging from simple arithmetic to calculus and
linear algebra.

CODING PROJECTS

- **Early Projects: 2001 - 2008**
    - Technologies: SmallBasic, VisualBasic.NET, C#.NET, C++, PHP, SQL, HTML, CSS,
      JavaScript
- **Cutcake: 2010**
    - Strongly solved the two person game Cutcake
    - Technologies: C++, curses

TECHNOLOGIES USED

- SmallBasic
- VisualBasic.NET
- C#.NET
- C++
- PHP
- SQL

- HTML
- CSS
- JavaScript

COMPUTER SKILLS
- **Early Programming: 2001 - 2008**
    - SmallBasic, VisualBasic.NET, C#.NET, some C++
- **Mechatronics: 2008 - 2011**
    - Parallax BASIC stamp, Picaxe 08M, Mitsubishi PLC
    - Robotics, Real-time assembly-line system
    - Basic, Ladder, List
- **NutritionHawk.com: 2008 - 2009**
    - Created fully functional website from scratch
    - Technologies: PHP, SQL, HTML, CSS, JavaScript
- **Recipe Word Classifier: 2008 - 2009**
    - Created in VB.NET, Converted to C#.NET
- **Sierra College Classes: 2009 - 2011**
    - Object-Oriented Programing (CS 12),
    - Intermediate Object-Oriented Programming (CS 13)
    - Discrete Structures (CS 26)
- **Cutcake: 2010**
    - Strongly solved the game 'cutcake' for Discrete Structures
    - Technologies: C++, curses
- **RecipeHawk.com: 2009 - Present**
    - Application to analyze online recipes for their nutrition facts
        * Started in C#.NET, converted to C++
        * Libraries Used: Curl, MySQL, Aspell, SQLite
    - Created fully functional website from scratch
        * PHP, SQL, HTML, CSS, JavaScript (JQuery)
- **Berkeley Simulation Software: 2009 - Present (Software Consultant)**
    - C++, C, Fortran for WinAPI interface, Python
- **GamesCrafters: 2010 - Present**
    - Worked on the Android team, added the game Othello
    - Team lead for the HTML5 team. Acted as webmaster for the GamesCrafters website.

EXTRACURRICULAR ACTIVITIES
Computer Science Undergraduate Association
GamesCrafters
Facebook Hackathon 2011 (Honorable Mention)
Yahoo Hack U! 2011