

Derek Fernholz

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OBJECTIVE

To obtain employment in Software Engineering with a concentration on Web Technologies and User Interaction Design.

Skills

Programming Skills: HTML, CSS, PHP, SQL, JavaScript, Python, C++, C, Embedded C, Java, VHDL, Assembly, Visual Basic

Web Servers: Apache Http Server, Windows Server 2003 (IIS)

DBMS: MySql, Access, DB2, Oracle

Operating Systems: Windows (95, 98, 2000, CE, ME, NT, XP, Vista), Mac OSX, Linux (Red Hat 9, Fedora Core(s) 1-7, Ubuntu, Debian, Slackware, among others), IBM System i5/OS

Graphic Design Skills: Adobe Photoshop (7, CS, CS2, and CS3) and Adobe Illustrator (CS, CS2, and CS3)

Education

South Dakota State University, Brookings, SD

BS in Software Engineering, Minors in Mathematics and Computer Science.

Graduation Date: **May 2008**

GPA: 3.1/4.0

Experience

Software Engineer – IBM i DB2 Support

June 2008 – Present

- Acquiring knowledge pertaining to IBM's iSeries Server and its various operating systems.
- Diagnose problems from clients and give solutions based on research and knowledge of the problem area
- Work with fellow teammates to deduce and devise solutions for problems bigger than one person can handle

Web Developer – IBM Design Source

August 2007 – May 2008

- Take Web Design/Development proposals from conception to design to implementation.
- Write valid and semantic code in a variety of web based languages including but not limited to: PHP, HTML, XHTML, Javascript, and CSS.
- Collaborate remotely with a design team in Durham, North Carolina.
- Advancing my knowledge in many programming languages, techniques, and frameworks.

Extreme Blue Speed Team – IBM

May 2007 – August 2007

- Built a web based skill assessment tool with a four person team for internal global use at IBM.
- Designed in an object oriented programming style to make the tool dynamic, highly customizable, and reusable in other applications.
- Trained and presented use and functionalities of tool to prospective users.
- Enhanced both leadership and technical skills.
- Prepared and presented technical proposals to executives.

eSDSU Laptop Repair Center – South Dakota State University

January 2006 – March 2007

- Promoted to Front-End Team Lead after demonstrating that I was proficient in all tasks required of a Technician and demonstrating my ability to lead a team.
- Performed front end tasks involving customer service, updating website, and soliciting quotes from Gateway and Apple for student laptop packages.
- Directed the technicians as to what items were to be addressed and how best to do so.
- Diagnosed and repaired student systems by performing tasks such as virus removal, small scale (ram or hard drive), and full hardware replacements (motherboard, screens and chassis).

Network Support Technician – Daktronics, Inc.

April 2005 – January 2006

- Configured, setup, and rolled out new systems to internal clients.
- Troubleshoot technical problems in person, over the phone, and through Webex (remote assistance program).
- Trained and presented use and functionalities of tool to prospective users.
- Assisted in transition from Novell to Microsoft Active Directory.

Leadership Roles & Honors

Mentor, Minority Peer Mentorship Program at SDSU: Spring 2006 – May 2008
Instructor, Army National Guard RSP (Recruit Sustainment Program): 2006 – 2007
Member, Computer Science Club: 2005 – May 2008
Tutor, Computer Science: 2007 – May 2008
Sergeant, Army National Guard - May 2008 - Present

References

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