CHARLES PALEN
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Please see the interactive version at: www.technogumbo.com/resume

COMPETENCIES

Used in Paid Work

- Action Script (Flex, Air, CS3/CS4/CS5)
- Java (Multi-threading, Sockets, deployed across os's OSX vs Linux vs Winxp/vista/7,etc)
- PHP, C#.NET, ASP.NET, PERL, C++, Javascript(Ajax)
- SQL, Oracle, MySQL, PostgreSQL (Stored Procedures), MSSQL
- Photoshop
- Win/OSX/Linux
- VirtualBox/VMWare
- Drupal, Omeka
- Red5

Hardware

- 2D CAD w/ Acrylic
- 3D CAD w/Alibre & Plastics
- Have made RS232 Devices
- Have made USB Devices
- Touchscreens (SAW, IR, DST)
- AMX Control Systems
- Custom Circuit Board Fabrication (SMD,DIP)

Hands On

- Have pulled/soldered/crimped cable (Cat5/6/two conductor/RCA/BNC/XLR/eight/fourth)
- Have driven large trucks across country with hundreds of thousands in inventory unsupervised
- Can work at remote sites directly with clients unsupervised
- Enjoy working directly with clients

WORK EXPERIENCE

Boston Productions Inc, Norwood, Massachusetts
Interactive Developer June 2008 – August 2011

- Create interactive touchscreen applications using Adobe Flash, Flex, and AIR under tight user requirements and strict deadlines
- Develop support applications that enhance touchscreen user interfaces by adding email, socket capabilities, video recording, audio recording, and database interaction for uses such as web interactivity and multi-player games
- Integrate a variety of cutting edge technologies into user oriented applications such as projection globes, RFID, motion sensing, and motor control
- Provide guidance concerning interactive application integration with traditional IT infrastructure such as mission critical sales and ticketing systems
- Travel to remote sites and independently manage client interactions, support staff training, and exhibit maintenance.

SPL Integrated Solutions, Dow Center, Midland, Michigan
Dow.com Team Web Developer August 2007 – February 2008

- Lead developer of the Dow.com site profile tool. A custom tool set written in Perl that is embedded in the Interwoven Teamsite content management system and used for scanning all dow.com sites to look for malformed html, ensure SEO, and other Dow web mandates

- In charge of handling site integrations from outside contract agencies into the dow.com CMS environment under strict privacy restrictions and deadlines
- Organize team troubleshooting meetings and help set code revision priorities
- Help troubleshoot and come up with enhancements to the dow.com development, staging, and production environments
- In charge of Web Trends integration into the entire Dow website framework

Central Michigan University Health Professions, Mt. Pleasant, Michigan
Student Programmer January 2007-May 2007

- Research and integrate open source software solutions into a researchers portal including Pentaho, Dotproject, JOOConverter, Dimdim, Tomcat, Ant, Eclipse, Sakai, Apache, MySQL, U-Portal, and Open Office
- Facilitate communication between the CMU-HPB and CMU-RC concerning resource sharing and applicable applications

Central Michigan University Research Corporation, Mt. Pleasant, Michigan (www.cmurc.com)
Business Intelligence Programmer January 2007-May 2007

- Design and build custom software solutions for clients such as General Motors
- Create web spiders to harness BI data from government websites such as the NOAA using Perl
- Create small applications to prepare data for analysis with popular BI systems such as SAP
- Complete programming tasks within a tight schedule
- Contribute to the development of a web portal that will be used to facilitate communication between distributed researchers and industry

Herman Miller Incorporated, Zeeland, Michigan
Deskside Services Intern, Zeeland Corporate HQ, May 2006-September 20006

- Research and develop processes and applications critical to HMI IT.
- Assist with open directory migration at remote sites
- Hot swap units at remote sites
- Setup, repair, and configure business partner machines for production use
- Develop applications using Visual Web Developer and ASP.Net 2.0 to perform data mining in an Oracle database utilizing inventory and trouble ticket data for the purpose of determining root causes and enhancing current processes

Central Michigan University, Mt. Pleasant, Michigan
Computer Lab Manager, Barnes Hall Computer Center, January 2005-April 2006

- Monitor employees, update payroll, in charge of evaluations and hiring
- Assist lab users and troubleshoot the computers on the spot if problems arise
- Plan and execute special events and programs
- Facilitate active communication between my Residence Hall director and University staff to ensure full lab functionality and continuous improvement

Computer Lab Assistant, Barnes Hall Computer Center, September 2004-December 2004

- Monitored the lab, assist users, and ensure the printers continued functionality
- Helped put on a series of volunteer Microsoft Office presentations
- Promoted to manager after only one semester of employment

Arialink Broadband, Lansing, Michigan
Support Technician June 2005-August 2005

- Maintained web servers running Windows NT – Server 2003 and Red Hat Linux
- Remotely administrate wireless and wired Internet content delivery systems (Mikrotic, CMTS, routers, modems)
- Provided phone and on location technical support for over 20,000 wired and wireless internet users
- Produce professional technical documents for support team assistance

Ovid Public Library, Ovid, Michigan
Internal Technician and Cataloguing Operations Manager June 2002 – August 2005

- Managed and responsible for a network of 12 computers, and smooth operation of the electronic book catalogue system
- Revamped a non-functional electronic book system and trained staff on its use
- Wrote a program that preserved over 50,000 electronic records during system migration for two libraries and saved thousands of taxpayer dollars

EDUCATION

Central Michigan University, Mt. Pleasant, Michigan
Bachelor of Science, May 2007
Major: Information Technology With Emphasis in Database Development;
Minor: Multimedia Production
Cumulative GPA: 3.53