

David Love

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[Blog \(http://blog.nighton.net/\)](http://blog.nighton.net/)

[Résumé \(pdf\)](#)

Consulting

A.M. Simpkins & Associates - Lawrenceville, GA (Remote)

▼ Independent Development Consultant (September 2015 - Curent)

- Performed **SQL migration** tasks including **Envisionizing code**.
- Provided development resources and expertise to a third party consulting company in the creation of **business logic** to handle enrollment pattern calculation of non-standard terms for one of their clients. Created custom **Colleague subroutines** to calculate and store a student's enrollment pattern. Wrote **computed columns** for use in **rules processing** and **reporting** for various projects.
- Collaborated across organizations and time zones with tools such as teleconferencing, virtual meeting software (**GoToMeeting**), and group productivity applications (**Google Docs**). Engaged in remote **pair programming** sessions utilizing screen sharing software.

Ferrilli - Media, PA (Remote)

▼ Senior Business Process Engineer (April 2013 - December 2013)

- Developed multiple state reporting systems involving import, export, and transformation of data from **Colleague** data files into formats defined by said states (including **fixed-width**, **comma-delimited**, and **XML**). Employed **ELF** (internal and external file processing) in the import and export of data. Automated external data transfer, export, and import processes using **cron** and the **Windows Task Scheduler**.
- Worked both on-site and remotely with a client to replace their **UniBasic** state reporting programs with **Envision Basic** processes. Wrote a data transform and upload program using **Windows PowerShell** for submission of the required reports to the state.
- Created reports through **SQL Server Reporting Services (SSRS)** against **Microsoft SQL Server** databases both utilizing the **Colleague Operational Data Store (ODS)** and directly against the **Colleague tables**.

Teaching

Gateway Technical College - Kenosha, WI

▼ Information Technology Instructor - Adjunct (January 2016 - April 2016)

- Taught introductory programming in a blended online and classroom environment. Developed materials both for instruction and for assessment of students based on predefined course competencies. Employed technologies such as **Blackboard**, **Visual Studio 2013**, and **Visual Basic .NET** (including using **LINQ**) as instructional aids.

Rochester Institute of Technology - Rochester, NY

▼ Student Lab Instructor - Computer Science (September 2002 - May 2003)

- As a graduate student, taught lab sections of Computer Science for Transfers, Introduction to Computer Science 3, and Introduction to Computer Science 4. Graded all students' work and held weekly open office hours. Introduction to Computer Science 3 language: **Java**; Computer Science for Transfers and Introduction to Computer Science 4 language: **C++**

Software Development and Support

Western International University - Tempe, AZ

▼ Senior Developer - Colleague Administrator (June 2014 - July 2014)

- Fostered a relationship between **Ferrilli** and **Western International University** for additional support and resources to assist in the migration of **Colleague** and supporting systems from a **Solaris** platform running **UniData** to a **Windows** platform running **Microsoft SQL Server**.
- Developed solutions using the **Scrum agile** development methodology.

Gateway Technical College - Kenosha, WI

▼ Programmer/Analyst (December 2008 - April 2013)

- Led a **cross-functional team** consisting of students, faculty, and staff in the design and deployment of a computerized check-in process for Tutoring Services. Performed **requirements gathering and analysis** with the team. Built the application for check-in using **Java** with **Swing** and **UniObjects for Java**. Implemented reporting solutions using **UniQuery**. Wrote **documentation** and **developed training materials** as a team.
- Managed and participated in all aspects of the development of an alternative registration process through **WebAdvisor** for Continuing Education including **defining the functional requirements**,

implementation using **Colleague Studio**, testing, training, and maintenance work to accommodate the deployment of **eCommerce**.

- Led a small team in the development of a student-submitted **document tracking solution** for the Nursing department. Worked with another Programmer/Analyst to create custom **Colleague forms** and files for storing processed and received document statuses for each student as defined by **business rules**. Built workflows in **Perceptive ImageNow** and scripted custom behavior to interact with both stock and custom **Colleague forms**.
- Created **Python DB-API** bindings to **UniData** with **C** using **InterCall** for custom reporting purposes.
- Installed and configured **Colleague UI 4.x** and **WebAdvisor**. Managed customizations and installed patches for **Colleague**. Automated various processes using **cron**, **sed**, **awk**, and other standard **Unix tools** as well as **shell scripting**.
- Trained with **Ellucian** on **SAP Web Intelligence**, **Business Objects Server Administration**, **Business Objects Designer**, and **Microsoft SQL Query Fundamentals**.

Carthage College - Kenosha, WI

▼ Computer Programmer/Computer Support Technician (September 2005 - August 2007)

- Integrated account management operations between **Novell eDirectory** and the **CommuniGate Pro** email server by creating various utilities in **Perl**.
- Resolved issues escalated from other staff members. Built images for faculty and staff computers using **Symantec Ghost**.

▼ Computer Programmer (September 2004 - August 2005)

- Designed a customized theme for the **CommuniGate Pro** webmail interface to include Carthage branding as well as increase usability utilizing **HTML**, **CSS**, and **Javascript**.

▼ Computer Center Intern (March 2001 - August 2001, July 2003 - September 2003)

- Developed a "Who Wants To Be A Millionaire" style game for use at a national conference. Implemented a custom **Java** Look and Feel to render standard **Swing** widgets in the style of the show. Loaded question sets from files using a custom **XML** document type.

- Created a file synchronization application for faculty, staff, and student use in **C++** utilizing the **Microsoft Foundation Classes (MFC)**.
- Automated system backups and email account generation using **Perl** and **cron**.

Apple - Cupertino, CA

▼ Systems Programmer (June 2002 - August 2002)

- Built a web-based utility for generating real-time reports of disk utilization broken down by user and directory with **Perl** and **gnuplot**.
- Researched and piloted the deployment of a standardized window manager on **OS X** workstations throughout the Hardware Engineering division for use in running remote **X** applications from **Solaris** servers. Presented a postmortem report to the senior leadership of the division, including the Vice President.

Education

University of Wisconsin - Parkside - Kenosha, WI

▼ Business Management - Finance (Anticipated May 2019)

- Bachelor of Science

Gateway Technical College - Kenosha, WI

▼ Mobile Device Programming (Android development course completed December 2012)

Rochester Institute of Technology - Rochester, NY

▼ MS: Computer Science (4.0 GPA) (November 2007)

- Thesis: [Alternate Syntax for XSLT \(http://scholarworks.rit.edu/theses/716\)](http://scholarworks.rit.edu/theses/716)

▼ Computer Science - Highest Honors (3.9 GPA) (November 2007)

- Bachelor of Science
- Minor: Psychology

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