2s473 Bancroft Ct.
Glen Ellyn, IL 60137

Jacob M. Davidson

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Projects

- **Chatter Server and Client**   **jacobmdavidson.com/chattersystem/**
  Java, MySQL   *11/2015*

  Developed as a term project for the Network Programming course at the UIS, this set of applications provides instant messaging services over a local area network, and stores client names in a MySQL database.

- **Elavon Converge Payment Gateway for WooCommerce**   **jacobmdavidson.com/converge/**
  PHP, WooCommerce, WordPress   *09/2012 – Present*

  WordPress plugin that adds a Converge payment gateway to WooCommerce (an eCommerce solution for WordPress).

- **Professional Engineering License Manager**   **www.pelicensemanager.com**
  CSS, HTML, Joomla, MySQL, PHP   *08/2012 – Present*

  Membership based web application built on the Joomla content management system that helps engineers track professional engineering licenses.

Experience

- **Freelance Web Developer**   **Glen Ellyn, IL**
  Provided freelance web development services to various clients.   *06/2012 – 06/2014*
  - Migrated sites from WordPress.org to shared hosting allowing for deeper customization.
  - Created templates for existing static websites transitioning to a CMS (such as Joomla or WordPress).
  - Developed custom WordPress and Joomla plugins.

- **Shive-Hattery, Inc.**   **Downers Grove, IL**
  Structural Engineer   *02/2011 – 06/2012*
  - Structural engineering design services for the industrial, educational, commercial, and telecom industries.

- **Carl Walker, Inc.**   **Lombard, IL**
  Project Engineer   *01/2005 – 03/2007 and 08/2007 – 01/2011*
  - Structural engineering design services for more than 30 unique parking structures.

Education

- **University of Illinois at Springfield**   **Springfield, IL**
  M.S. Computer Science (GPA: 4.0 out of 4.0)   *08/2013 – 12/2015*
  - Coursework: C# .NET, Computer Organization, Computer Viruses and Worms, Data Structures and Algorithms, Graduate Research Seminar, Introduction to Database Systems, Introduction to Operating Systems, Network Programming, Programming Languages, Software Engineering Capstone, Testing and Reliability, and Web Services.

- **Purdue University**   **West Lafayette, IN**
  M.S. Civil Engineering (GPA: 4.0 out of 4.0)   *08/2003 – 12/2004*

- **Oregon State University**   **Corvallis, OR**
  B.S. Civil Engineering (GPA: 3.89 out of 4.0)   *09/1998 – 03/2003*

Languages

Experienced: Java, PHP, HTML, CSS
Intermediate: C#, JavaScript, Pascal, SQL, XML
Novice: C, C++, LaTeX, Lisp, Prolog, Python

Tools

DBMS: Oracle Database 12c, MySQL
IDE: Android Studio, Eclipse, Visual Studio
OS: Windows, OS X, Linux (Arch, Mint, Ubuntu)