

David P. Kleinschmidt

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Education B.S. Computer Science, Rochester Institute of Technology, May 2005

Experience over 10 years professional software development experience

Developer, Academic Software Plus

January 2010–present

As part of a small development team, helped design, implement, and maintain a large-scale software suite for processing college applications for schools in medical professions. This involved reconciling the differences between fourteen different online application forms and aggregating them into one database for processing and reporting. Worked both alone and with team members to develop major customer-facing and backend functionality. Provided mentorship as necessary for junior team members.

Technologies: Ruby on Rails, PostgreSQL, Mac OS X, Linux.

Software Engineer, independent

March 2008–January 2010

Provided B2C, B2B, and internal Web- and print-based product visualization software and related software development services for a high-profile multinational clothing designer. Contributed low-level graphics code to an application which allowed salespeople to produce print catalogs of speculative products by combining product sketches with production-ready designs. Contributed user-interface code which allowed non-technical users to customize product designs within the constraints of production-ready artwork. For another client, created an application that allowed customers to design customized floor mats for automobiles, within the limits of their production capabilities.

Technologies: Flash, Flex, Java, PHP, Illustrator, PDF, Microsoft SQL Server, Wilcom EmbroideryStudio, Mac OS X, Windows.

A/V Club, Queen City Roller Girls

May 2007–present

Design, implementation, maintenance, and operation of public-facing, real-time scoreboard & multimedia presentation software for local sanctioned roller derby league. This unique project offered a very demanding set of constraints, requiring absolute reliability, strict adherence to the official ruleset, instantaneous operation, attractive and readable public display even in suboptimal conditions, and ease of setup and use. This free, open-source application continues to be used and recommended by many leagues in the Women's Flat Track Derby Association.

Technologies: Flex, Flash, AIR.

Webmaster, Artvoice**August 2005–March 2008**

Sole responsibility for the design, implementation, maintenance, and regular update of the website for Buffalo's only alternative newsweekly. Improved the system by which print articles were made available online. Implemented an events calendar database which integrated web and print offerings. Designed and implemented a custom, location-enabled minisite to support the yearly restaurant guide. Provided server administration and help desk support as necessary.

Technologies: Zope, Django, InDesign, Objective-C, PostgreSQL, Mac OS X, Mac OS X Server.

Software Engineer, Bristol Capital Inc.**August 2001–May 2004**

Implementation and maintenance of comprehensive, automated security report for enterprise telephone switches. Design, implementation, and maintenance of modernized database-backed terminal emulation application. Design, implementation, and maintenance of B2B database of customer inventory and reports. Adapted a product line to a new platform based on my reverse-engineering of a telephone switch's configuration protocol.

Technologies: Objective-C, C++, C, 4D, HyperCard, Mac OS, Mac OS X.

Software Engineer, Omnitech Corporate Solutions**June 1999–November 1999**

Implementation of commercially-available student assessment database package for large nonprofit student testing organization. Quality assurance for deployments of flagship kiosk platform.

Technologies: Visual C++, Microsoft SQL, Windows, Mac OS.

Graphic Design Intern, Science Kit & Boreal Laboratories**May 1998–August 1998**

Programming for promotional CD-ROM included with national mail-order catalog. Scripting ad-hoc batch operations to support print catalog.

Technologies: Director, QuarkXPress, AppleScript, Mac OS.

References Available upon request.