

Diane Cook Donovan

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EXPERIENCE HIGHLIGHTS

2011-present STATE OF VERMONT AGENCY OF TRANSPORTATION MONTPELIER, VT

Systems Developer III

- Lead developer for VPins (VTrans Project Information Navigation System) project implementation and support using Microsoft Visual Studio to create a WPF application employing MVVM application pattern, Entity Framework, XAML and Visual Basic as well as DevExpress controls. Using MS SQL Server Development Studio, designs, implements and supports the VPins database with database organization and T-SQL procedures.
- Responsible for initial implementation of Dashboards for the VTrans Reportal Business Intelligence project using Power BI. Researched available third party tools and, with data from Master Data Services, defined the scope of dashboards and designed the visualization of the data.
- Develop and maintain other agency applications and web pages using Visual Studio, Visual Basic, C#, HTML, CSS, Access, Web-based tools, and SQL and Oracle databases.

2001-2011 THE TRUSTEES OF RESERVATIONS BEVERLY, MA

Consultant to the Director of Structural Resources and Technology

- Collaborated with the Director to design, build and populate a database of structures statewide in order to track deferred maintenance. The database was initially written using MS Access and later converted to a web-based MySQL database accessed with PHP coding. Subsequently added functionality to the Structures Database to track building energy use.
- Project Manager for the "Green Team" to evaluate the Trustees' carbon footprint, supervising two summer interns compiling energy usage data.
- Created database and user interface to issue vehicle permits on Martha's Vineyard properties.

Consultant to the Ecology Program Manager

- Using XHTML, CSS, MySQL, PHP and jQuery, created and deployed an online database for observations of rare species across Massachusetts.

Consultant to the Director of Planning & Stewardship

- Designed, built and deployed an online database for management plan implementation schedules for each property as well as routine maintenance plans. The database is written using MySQL and accessed with PHP code.

Consultant for Historic Resources in the Northeast Region

- Scanned 25 deteriorating photograph albums personally compiled by Francis R. Appleton, Jr. (from 1895), in order to preserve the historic images and his hand-written captions.

1992-2001 MARY MCKENNA & ASSOCIATES, INC. WINCHESTER, MA

Associate for Architectural Firm

- Supported the architectural work of the firm with presentation preparation, model building, preparation of field notes, specifications and schedules, production of reports and organization of contract documents.
- Created, produced and maintained the firm's website using HTML code and Adobe ImageReady.
- Researched the history of properties at local building departments, libraries, historic societies, registry of deeds and on-line.
- Created and produced a PowerPoint presentation of the Little Holme project, using drawings, construction & professional photos, and historical research for the 2000 Restoration and Renovation Conference, Boston.

Project Assistant

- Managed and designed computer applications and networking and was responsible for information management procedures.
- Produced marketing materials, investigated public and private design opportunities and maintained client and consultant relations.

2009

BRATTLEBORO UNION HIGH SCHOOL

BRATTLEBORO, VT

Technical Assistant

- Working with the Technology Coordinator, deployed 105 new Windows laptops to teachers and redeployed the used laptops for other uses within the school.
- Imported information from the SASI database to the newly acquired PowerSchool database.

1983-1987

U.S. DEPARTMENT OF DEFENSE - NATIONAL SECURITY AGENCY FORT GEORGE G. MEADE, MD

Associate Computer Scientist

- Member of system design team in the research organization.
- Worked from early analysis of system requirements through implementation of the design.
- Received several awards for individual contributions.

EDUCATION

UNIVERSITY OF VERMONT, BURLINGTON, VT B.S., Computer Science, Electrical Engineering minor

HARVARD UNIVERSITY EXTENSION SCHOOL, CAMBRIDGE, MA

Extension Studies with a concentration in Information Technology and Digital Media

- Web GIS: Principals and Applications
- Exposing Digital Photography
- Multimedia Communication: Digital Storytelling
- Developing Interactive Media
- Developing Web-Based Database Applications
- Intro to JAVA I & II
- Building Dynamic Websites
- Web Content Management Systems Site Development

CONTINUING EDUCATION

- Let's Dev This – MS Azure Cloud Tour (2015) -- Microsoft New England Research and Development Center
- Developing Web Applications Using MS Visual Studio 2008 SP1 – KnowledgeWave
- Joomla! Day New England – Marlborough College
- jQuery Conference '09 – Microsoft Cambridge
- SEO & Email Marketing – Constant Contact and Brick Marketing
- Cambridge Center for Adult Education – Flash CS4, Advanced Coding Topics: jQuery Enhanced Interaction Design, Advanced Coding Topics: XHTML/CSS, Dreamweaver CS3, Digital Imaging

PERTINENT SKILLS

- Adept at quickly learning new systems, applications and programming languages.
- Trained as a programmer and familiar with software development techniques and industry standard practices in various programming languages, including: VB, C#, Java, XAML, HTML5, CSS, PHP, JavaScript, jQuery, XML, ASP, Visual Studio, Dreamweaver, DevOps, SQL Server as wells as SQL/MySQL/ Oracle database development environments.

INTERESTS

WOMEN IN TRANSPORTATION, ENVIRONMENTAL ISSUES, HISTORY, ARCHITECTURE, GENEALOGY, NEEDLE ARTS, MUSIC.