

## OBJECTIVE

Obtain a Software Development position where effective individual and team oriented problem solving will provide quick, innovative and reliable solutions.

## EXPERIENCE

*Software Developer* May 2009 - Current / L-3 Communications / Integral Solutions Department  
Involved with life-cycle maintenance supporting a legacy system for the Navy fleet involving various COTS and GOTS software. Worked extensively with Windows Server Update Services (WSUS) creating an automated installation, customized InfoPath reports, and troubleshooting and configuring an infrastructure solution for the Navy Fleet. Provided help desk support for a warehouse database system along with custom performance monitoring reports and security updates to the system's code base.

*Founder / VP of Operations* Nov 2007 - Current / Copper Art Designs / VBCopper.com  
Oversee all day-to-day manufacturing operations, marketing, customer support and technology. Technology support includes routine maintenance on multiple sister sites and the custom e-commerce solution.

*Graduate Assistant* Aug 2006 - May 2007 / James Madison University (JMU) / Computer Science Department  
Redesigned and restructured the website for the Information Security Master's program at James Madison University. HTML and CSS were primarily used but some graphic design, Javascript, XML, and PHP were also implemented.

*Research Assistant* Summer 2005 / University of California, Berkeley / Berkeley Institute of Design (BID Lab)  
Examined current trip planning applications and their limitations; developed an algorithm, using GPS traces collected around the Berkeley area, to help future trip planning applications provide more accurate driving directions.

*Assistant Computer Systems Administrator* Aug 2004 - May 2006 / James Madison University / Department of Mathematics  
Served as a resource to all Math Department staff and faculty for all computing and technology related issues; additionally, I assisted the System Administrator with software and hardware issues as well as with server related development.

*Computer Technician and Web Designer* Aug 2004 - May 2005 / James Madison University / University Recreation Center (UREC)  
Responsible for inquiries related to both PC & Apple computers and all software/hardware issues as well as responsible for preventative maintenance on UREC computers and related equipment, network resource management, and inventory.

*Summer Intern* Summer 2004 / L-3 Communications Titan Group  
Created a custom dual-bootable "El Torito" CD; created a Group Policy linking script and corrected Microsoft's VB script sample code (Group Policy import); and wrote a script to collect software and hardware specifications from computers on the network.

## SKILLS

- VB.NET, PHP, C++, Java, FORTRAN 90
- PHP, SQL, JavaScript, HTML, AJAX, L<sup>A</sup>T<sub>E</sub>X
- MySQL, Microsoft SQL Server 2005, Windows Server Update Services, Adobe {Illustrator, Photoshop, Bridge}

## EDUCATION

James Madison University, Harrisonburg, VA  
Bachelor of Science, Computer Science, May 2006  
Bachelor of Science, Mathematics, May 2006

## PUBLICATIONS

"Discovering Human Route-Planning Knowledge from Everyday Location Traces", California Engineer Magazine, Winter 2005 Issue

## HONORS AND ACTIVITIES

Recipient of the Donald Knuth Award for undergraduate research in computer science  
First student recipient: "Professional Staff Crowning Achievement Award" at the JMU Recreation Center  
Dean's list: Fall '02, Spring '03  
Overall winner, JMU Math Department's "Problem of the Week" series  
Member of International Honor Society for the Computing and Information Disciplines (Upsilon Pi Epsilon)  
Member of Honorary National Mathematics Society (Pi Mu Epsilon)  
Participated in the Operation Smile Duathlon  
Ghent Bar Tour Photographer for the Make A Wish Foundation: Winter '06, Summer '07