

Education

James Madison University B.S. Degree Applied Computing & Mathematics

Spring 2017

On-Going Project

- **Software Engineer**
 - Designed and developed landing pages for retail Wi-Fi hotspot connections for retailers such as Tropical Smoothie, Firehouse Subs and Metro PCS using HTML/CSS, Bootstrap, JavaServer Pages.
 - Ensured look and feel of client web page on landing page. Programmed enterprise class Wi-Fi devices, structured bandwidth caps and monitor access points from cloud
 - Developed and pitched promotions to corporate team for national chains to display on Wi-Fi landing page
 - Embedded Google Analytics scripts, used JavaScript targeted email, social marketing and SEO strategies
 - Captured data such as age, gender, email and frequency of visits to store in database for promo use
 - <http://Superfi.org/>

Previous Projects

- **Scrum Master/ Java Developer**
 - Led weekly scrum meetings with team of 5 developers to develop web app to analyze trends in state budget data for Virginia public schools. Responsible for gathering requirements, scheduling Sprints, facilitating, reporting, deliverables, design and documentation.
 - Utilized the State Council of Higher Education for VA and VA Department of Education datasets including 10 years of data collected from students stored in relational SQL database to show budget trends. Created SQL queries to obtain appropriate data from database.
 - Developed a web app using Java (JSP) and MVC framework to display graph visually. Used Google Maps integration to display heat map of financial budget distribution and compared that with student family income, gender and graduation rates to determine trends for state lawmakers to use in future state educational budget distribution.
 - <http://apps4va.cs.jmu.edu/2015/budgetmap>
- **Intelligent Systems Independent Study “Weather Move”**
 - Studied expert systems, neural networks, hybrid intelligent systems and other intelligent system technologies and their development, uses and limitations.
 - Developed K-cluster algorithm to guide a user to a geographical relocation match based on weather data from NOAA and preferences gathered from user.
 - Developed intelligent algorithm using Java, HTML/CSS, JavaScript, JUnit Testing, Tomcat backend and PostgreSQL database to find user’s relocation match based on preference, Google maps integration to create visual heat map
 - Designed and developed application to predict geographic preferences based on specified inputs. Produced documentation to show K-cluster algorithms used.
 - **For more development project examples:** <https://github.com/bermanah/UBook.git>

Key Skills

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| <ul style="list-style-type: none">• 4 years of experience
Programming: Java,
Secure/Accessible
Programming, Object
Oriented Programming
SharePoint• Scrum Framework,
Waterfall, DevOps | <ul style="list-style-type: none">• Web Application
Development Html/CSS,
Struts2, JavaScript,
JavaBeans, Rest, CRUD• MVC framework• Databases: PostgreSQL,
PL/SQL, MS SQL Server,
JDBC• Debugging with Junit, GDB | <ul style="list-style-type: none">• OS: Linux, Mac, Windows• Cloud Computing: MS Azure,
Amazon Web Services• Excel, SharePoint, MS
OneNote, MS Office, Adobe• Virus, malware, spyware
removal• Data Interpretation,
Analysis, Representation |
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Career History

Astadia – Jacksonville, FL Systems Administrator/Cloud Engineer

02/2017 to Current

- Work to administer Windows Servers, Network devices and various 3rd party applications
- Monitor and proactively maintain Windows Servers, network devices and applications based on ITIL standards
- Support cloud servers including security configurations, patching, and troubleshooting
- Establish Virtual Private Networks (VPNs) to customer environments
- Maintain data integrity and system availability through a combination of data backups, server clustering, replication, and monitoring
- Monitor and proactively maintain cloud computing environments in Azure, AWS and private cloud as needed.
- Automate alert monitoring tools such as Logic Monitor, Connect Wise and Service Now to ensure timely resolutions.
- Define new as-a-service packages in areas including analytics, database, and platform that leverage public Cloud environments and support internal developers and external partner solutions.
- Develop scripts for automating client/server functions
- Participate in the design and development of a Cloud or hybrid architecture that will be aligned with the client's business objectives based on business, information, application, and system requirements.
- *AWS Technical Professional*

Prez One Entertainment – Remote, FL Web Developer

10/2016 to 03/2017

- Developed social media campaign to drive awareness for historic block party in Bronx, New York. Drove traffic to social media pages using SEO strategies. Short term contract role.
- Used WordPress to develop blog for event produced posts, developed graphics and created custom theme using WordPress API. Shared posts across social media platforms using WP.
- Managed Social Media sites including Facebook, Twitter, and Instagram. Ensured continuity in look-and-feel of visual communication elements. Used Facebook API to integrate
- Designed and developed web app using NetBeans, Apache Tomcat, JSP, HTML and JavaBeans. Designed custom bootstrap template to ensure continuous look and feel.

Telenetwork – Remote, VA Remote Technical Support

07/2014 to 04/2015

- Provided technical support assistance to clients for Internet services, web hosting services, and security related issues.
- Used technologies such as Avaya, Jwalk, Loop care, Viryanet and retrieved information from several different databases.
- Network performance optimization and testing. Used SharePoint for troubleshooting tutorials and documentation.
- Worked with remote team to diagnose issues needing escalation. Updated SharePoint as needed with new resolutions.
- Used Advanced SystemCare, Driver Booster, IO Bit Uninstaller and Malwarebytes to diagnose issues.
- Removed Viruses, Malware, ran disk de-frag, fixed registry errors and removed spyware remotely from computers, and fixed performance issues.

James Madison University IT Services– Harrisonburg, VA Desktop Support/Lab Tech

12/2012 to 09/2014

- Performed routine and preventative maintenance of computer lab and classroom equipment, prepared documentation for professors and students.
- Diagnosed computer problems on network of over 100 computers, install software and perform tests and updates on computer equipment. Developed tutorials for proper software usage on SharePoint.
- Troubleshot malfunctions of hardware and software. Network performance monitoring. Created tickets for issues needing escalation.

Professional Memberships

Owasp/Infosec Open Source Security Community Student Member

WordPress Conference Attendee

Contributor at Free Code Camp

IEEE member

Women in Technology (WIT) Member

Chamber of Commerce Small Business Ambassador

Grace Hopper Celebration of Women in Computing Conference selected to represent James Madison University