Jamika M. Baltrop

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Experience Summary

Ms. Baltrop is a recent graduate student from Howard University, obtaining a Master's Degree in Systems and Computer Science with an extensive research experience background. She has experience using scientific visualization tools such as Interactive Data Language (IDL) and Grid Analysis and Display System (GrADS). Ms. Baltrop's written and verbal communication skills have been prominent to her successful development in project research papers and projects.

Education

B.S. Computer Science, Elizabeth City State University (May 2009)
M.S. Systems and Computer Science, Howard University (May 2012)

Summary of Skills

- Data Analysis
- Data Entry
- Research Development
- Scientific Visualization tools
- Software Development
- Technical Writing (Research paper)
- Web page Development

Tools and Technologies

Software: Adobe Dreamweaver/Fireworks, Grid Analysis and Display System (GrADS), Neo4j, ArcMap, Cygwin, Microsoft Office: Excel, PowerPoint, Word

Programming Languages: C++, Java, HTML, Tool Command Language/Tool Kit (TCL/TK)
Operating Systems: Windows XP, Mac OS X, UNIX

Work Experience

Booz Allen Hamilton, Inc., <Consultant>   06/2011 – 01/2012
Technologies/Tools used: Neo4j, HTML

- Worked on a project for a graph database using the Neo4j software in which Ms. Baltrop is building the basic prototype for the graph database, the user interface, basic add, edit, select functions for nodes in the database

- Intricately involved in coordinating a demo with TerraGo Technologies, Inc. for her supervisor and technical team members to support the Geoint Visualization Services proposal

- Coordinated a demo of the various geospatial software offered by TerraGo, which exhibited the various products that even non-GIS users can apply to update geospatial information as well as create geospatial PDFs

- Assisted with developing a process diagram to depict Booz Allen's agile processes and NGA's Milestone Reviews in one overarching diagram

  Major Accomplishments:
  The demo with TerraGo Technologies aided in introducing new software for potential client work with NGA.

  The composite image that was drafted would allow for Booz Allen agile development approach to be implemented during a current project while concurrently implementing NGA reviews for a more defined process and product release.

Honeywell Technology Solutions, Inc., <Intern>   **07/2010 – 04/2011**
Lanham, MD
Technologies/Tools used: Microsoft Excel, PowerPoint
- Responsible for the collection and management of software metrics which required the tracking and analysis of the software metrics on a month-to-month basis to decrease the number of defects that were occurring in the product release

- Used Microsoft Office tools to derive a correlation of the software metrics into a graphical representation to note any trending such as if defects increased, decreased or stayed the same

- Which was a significant aspect in driving staffing decisions to make possible changes in the software development process

  Major Accomplishments:

  The tracking of the software metrics aided in suggesting what changes could be implemented to reduce the defect count in the software products.

Elizabeth City State University, <Assistant Webpage Developer>   **10/2006 – 11/2007**
Elizabeth City, NC
Technologies/Tools used: Arachnophilia
- Responsible for layout and format of a webpage which was leveraged for student usage

- The web page was utilized for students to view notes, homework assignments and other class materials

- Arachnophilia is a free open-source software used for web page development as well as a general programming tool; The interactive GUI allows for ease of use and/or actual coding

  Major Accomplishments:

  Enabled students to have an alternative source for viewing class materials at any given time.

  Relieved supervisor/professor to manage other obligations associated with job role

Elizabeth City State University, <Student Aide Assistant>   **09/2005 – 05/2006**
Elizabeth City, NC
Technologies/Tools used: Microsoft Excel, Word

- Responsible for entering data into a Microsoft Excel spreadsheet obtained from research of data collected

- In addition, to data collection, she performed other additional tasks which included scientific research as well as attended weekly meetings where ideas, objectives, and data used to perform research were discussed

  Major Accomplishments:

  Enhanced Microsoft Excel Skills
  Relieved professor of any additional workload outside of class time and office hours

Academic Achievements

Louis Stokes Alliance for Minority Participation (LSAMP) Bridge to Doctorate	09/2009 – 07/2010
Goddard Space Flight Center Howard University in Atmospheric Sciences (GoHFAS)	06/2009 – 05/2010
Center of Excellence for Remote Sensing Education and Research (CERSER)	09/2005 – 05/2009

Clubs and Affiliations

The Board of Professional Black Females, Inc.	2010 – present
Membership Committee Chair	04/2012 - present
Computer Science Graduate Student Council – Treasurer, *Howard University*	08/2009 – 05/2010
National Society of Leadership and Success, *Sigma Alpha Pi Chapter*, ECSU	Spring 2008
IEEE-Geoscience and Remote Sensing Society (GRSS), ECSU	Fall 2005